



SEQUENCE LISTING

<110> Kerr, William G.
Ninos, John M.

<120> Novel SH2containing Inositol 5'-phosphatase Isoform That Partners
With The Grb2 Adapter Protein

<130> USF-211XT

<140> 10/605,452

<141> 2003-09-30

<150> 60/319,583

<151> 2002-09-30

<160> 18

<170> PatentIn version 3.3

<210> 1

<211> 4125

<212> PRT

<213> Mus musculus

<400> 1

Gly Thr Thr Cys Cys Cys Ala Cys Thr Ala Gly Thr Thr Gly Thr Thr
1 5 10 15

Gly Ala Ala Cys Thr Thr Thr Ala Cys Cys Thr Thr Gly Ala Ala Cys
20 25 30

Cys Thr Cys Thr Gly Cys Thr Cys Cys Cys Ala Gly Gly Gly Ala Ala
35 40 45

Gly Thr Cys Ala Thr Cys Ala Gly Gly Ala Cys Thr Cys Thr Gly Cys
50 55 60

Cys Ala Thr Cys Cys Cys Thr Gly Gly Ala Gly Thr Cys Thr Cys Thr
65 70 75 80

Gly Cys Ala Gly Ala Gly Gly Thr Thr Gly Thr Thr Thr Gly Ala Cys
85 90 95

Cys Ala Ala Cys Ala Gly Cys Thr Cys Thr Cys Cys Cys Cys Ala Gly
100 105 110

Gly Cys Cys Thr Thr Cys Gly Cys Cys Cys Ala Cys Gly Ala Cys Cys
 115 120 125

Thr Cys Ala Gly Gly Thr Gly Cys Cys Cys Gly Gly Ala Gly Ala Gly
 130 135 140

Gly Cys Cys Ala Gly Thr Cys Cys Cys Ala Thr Cys Ala Cys Cys Ala
 145 150 155 160

Thr Gly Gly Thr Thr Gly Cys Cys Ala Ala Ala Cys Thr Cys Ala Gly
 165 170 175

Cys Cys Ala Ala Thr Thr Gly Ala Cys Ala Ala Gly Thr Cys Thr Gly
 180 185 190

Cys Thr Gly Thr Cys Thr Thr Cys Cys Ala Thr Thr Gly Ala Ala Gly
 195 200 205

Ala Thr Ala Ala Gly Gly Thr Cys Ala Ala Gly Thr Cys Cys Thr Thr
 210 215 220

Gly Cys Thr Gly Cys Ala Cys Gly Ala Gly Gly Gly Cys Thr Cys Ala
 225 230 235 240

Gly Ala Ala Thr Cys Thr Ala Cys Cys Ala Ala Cys Ala Gly Gly Cys
 245 250 255

Gly Thr Thr Cys Cys Cys Thr Thr Ala Thr Cys Cys Cys Thr Cys Cys
 260 265 270

Gly Gly Thr Cys Ala Cys Cys Thr Thr Thr Gly Ala Gly Gly Thr Gly
 275 280 285

Ala Ala Gly Thr Cys Ala Gly Ala Gly Thr Cys Cys Cys Thr Gly Gly
 290 295 300

Gly Cys Ala Thr Thr Cys Cys Thr Cys Ala Gly Ala Ala Ala Ala Thr
 305 310 315 320

Gly Cys Ala Thr Cys Thr Cys Ala Ala Ala Gly Thr Gly Gly Ala Cys
 325 330 335

Gly Thr Thr Gly Ala Gly Thr Cys Thr Gly Gly Gly Ala Ala Ala Cys
 340 345 350

Thr Gly Ala Thr Cys Gly Thr Thr Ala Ala Gly Ala Ala Gly Thr Cys
 355 360 365

Cys Ala Ala Gly Gly Ala Thr Gly Gly Thr Thr Cys Thr Gly Ala Gly
 370 375 380

Gly Ala Cys Ala Ala Gly Thr Thr Cys Thr Ala Cys Ala Gly Cys Cys
 385 390 395 400

Ala Cys Ala Ala Ala Ala Ala Ala Thr Cys Cys Thr Gly Cys Ala
 405 410 415

Gly Cys Thr Cys Ala Thr Thr Ala Ala Gly Thr Cys Cys Cys Ala Gly
 420 425 430

Ala Ala Gly Thr Thr Thr Cys Thr Ala Ala Ala Cys Ala Ala Gly Thr
 435 440 445

Thr Gly Gly Thr Gly Ala Thr Thr Thr Thr Gly Gly Thr Gly Gly Ala
 450 455 460

Gly Ala Cys Gly Gly Ala Gly Ala Ala Gly Gly Ala Gly Ala Ala Ala
 465 470 475 480

Ala Thr Cys Cys Thr Gly Ala Gly Gly Ala Ala Gly Gly Ala Ala Thr
 485 490 495

Ala Thr Gly Thr Thr Thr Thr Thr Gly Cys Thr Gly Ala Cys Thr Cys
 500 505 510

Thr Ala Ala Gly Ala Ala Ala Ala Gly Ala Gly Ala Ala Gly Gly Cys
 515 520 525

Thr Thr Cys Thr Gly Thr Cys Ala Ala Cys Thr Cys Cys Thr Gly Cys
 530 535 540

Ala Gly Cys Ala Gly Ala Thr Gly Ala Ala Gly Ala Ala Cys Ala Ala
 545 550 555 560

Cys Thr Ala Cys Thr Cys Ala Gly Gly Cys Ala Cys Thr Cys Cys Cys

770

775

780

Thr Gly Cys Ala Ala Gly Ala Ala Gly Thr Cys Ala Cys Cys Ala Gly
 785 790 795 800

Cys Ala Thr Gly Ala Cys Ala Thr Thr Thr Ala Ala Ala Ala Cys Ala
 805 810 815

Gly Thr Thr Gly Cys Cys Ala Thr Cys Cys Ala Cys Ala Cys Cys Cys
 820 825 830

Thr Cys Thr Gly Gly Ala Ala Cys Ala Thr Thr Cys Gly Cys Ala Thr
 835 840 845

Ala Gly Thr Gly Gly Thr Gly Cys Thr Thr Gly Cys Cys Ala Ala Gly
 850 855 860

Cys Cys Ala Gly Ala Gly Cys Ala Thr Gly Ala Gly Ala Ala Thr Cys
 865 870 875 880

Gly Gly Ala Thr Cys Ala Gly Cys Cys Ala Thr Ala Thr Cys Thr Gly
 885 890 895

Cys Ala Cys Thr Gly Ala Cys Ala Ala Cys Gly Thr Gly Ala Ala Gly
 900 905 910

Ala Cys Ala Gly Gly Cys Ala Thr Cys Gly Cys Cys Ala Ala Cys Ala
 915 920 925

Cys Cys Cys Thr Gly Gly Gly Ala Ala Ala Cys Ala Ala Gly Gly Gly
 930 935 940

Ala Gly Cys Ala Gly Thr Gly Gly Gly Ala Gly Thr Gly Thr Cys Cys
 945 950 955 960

Thr Thr Cys Ala Thr Gly Thr Thr Cys Ala Ala Thr Gly Gly Ala Ala
 965 970 975

Cys Cys Thr Cys Cys Thr Thr Gly Gly Gly Thr Thr Cys Gly Thr
 980 985 990

Cys Ala Ala Cys Ala Gly Cys Cys Ala Cys Thr Thr Gly Ala Cys Thr
 995 1000 1005

Thr Cys Thr Gly Gly Ala Ala Gly Cys Gly Ala Ala Ala Ala Ala
 1010 1015 1020

Ala Ala Gly Cys Thr Cys Ala Gly Gly Ala Gly Ala Ala Ala Thr
 1025 1030 1035

Cys Ala Ala Ala Ala Cys Thr Ala Thr Ala Thr Gly Ala Ala Cys
 1040 1045 1050

Ala Thr Cys Cys Thr Gly Cys Gly Gly Thr Thr Cys Cys Thr Gly
 1055 1060 1065

Gly Cys Cys Cys Thr Gly Gly Gly Ala Gly Ala Cys Ala Ala Gly
 1070 1075 1080

Ala Ala Gly Cys Thr Ala Ala Gly Cys Cys Cys Ala Thr Thr Thr
 1085 1090 1095

Ala Ala Cys Ala Thr Cys Ala Cys Cys Cys Ala Cys Cys Gly Cys
 1100 1105 1110

Thr Thr Cys Ala Cys Cys Cys Ala Cys Cys Thr Cys Thr Thr Cys
 1115 1120 1125

Thr Gly Gly Cys Thr Thr Gly Gly Gly Gly Ala Thr Cys Thr Cys
 1130 1135 1140

Ala Ala Cys Thr Ala Cys Cys Gly Cys Gly Thr Gly Gly Ala Gly
 1145 1150 1155

Cys Thr Gly Cys Cys Cys Ala Cys Thr Thr Gly Gly Gly Ala Gly
 1160 1165 1170

Gly Cys Ala Gly Ala Gly Gly Cys Cys Ala Thr Cys Ala Thr Cys
 1175 1180 1185

Cys Ala Gly Ala Ala Gly Ala Thr Cys Ala Ala Gly Cys Ala Ala
 1190 1195 1200

Cys Ala Gly Cys Ala Gly Thr Ala Thr Thr Cys Ala Gly Ala Cys
1205 1210 1215

Cys Thr Thr Cys Thr Gly Gly Cys Cys Cys Ala Cys Gly Ala Cys
1220 1225 1230

Cys Ala Ala Cys Thr Gly Cys Thr Cys Cys Thr Gly Gly Ala Gly
1235 1240 1245

Ala Gly Gly Ala Ala Gly Gly Ala Cys Cys Ala Gly Ala Ala Gly
1250 1255 1260

Gly Thr Cys Thr Thr Cys Cys Thr Gly Cys Ala Cys Thr Thr Thr
1265 1270 1275

Gly Ala Gly Gly Ala Gly Gly Ala Ala Gly Ala Gly Ala Thr Cys
1280 1285 1290

Ala Cys Cys Thr Thr Cys Gly Cys Cys Cys Cys Cys Ala Cys Cys
1295 1300 1305

Thr Ala Thr Cys Gly Ala Thr Thr Thr Gly Ala Ala Ala Gly Ala
1310 1315 1320

Cys Thr Gly Ala Cys Cys Cys Gly Gly Gly Ala Cys Ala Ala Gly
1325 1330 1335

Thr Ala Thr Gly Cys Ala Thr Ala Cys Ala Cys Gly Ala Ala Gly
1340 1345 1350

Cys Ala Gly Ala Ala Ala Gly Cys Ala Ala Cys Ala Gly Gly Gly
1355 1360 1365

Ala Thr Gly Ala Ala Gly Thr Ala Cys Ala Ala Cys Thr Thr Gly
1370 1375 1380

Cys Cys Gly Thr Cys Cys Thr Gly Gly Thr Gly Cys Gly Ala Cys
1385 1390 1395

Cys Gly Ala Gly Thr Cys Cys Thr Cys Thr Gly Gly Ala Ala Gly
1400 1405 1410

Thr Cys Thr Thr Ala Cys Cys Cys Gly Cys Thr Gly Gly Thr Gly
 1415 1420 1425
 Cys Ala Thr Gly Thr Gly Gly Thr Cys Thr Gly Thr Cys Ala Gly
 1430 1435 1440
 Thr Cys Cys Thr Ala Thr Gly Gly Cys Ala Gly Thr Ala Cys Cys
 1445 1450 1455
 Ala Gly Thr Gly Ala Cys Ala Thr Cys Ala Thr Gly Ala Cys Gly
 1460 1465 1470
 Ala Gly Thr Gly Ala Cys Cys Ala Cys Ala Gly Cys Cys Cys Thr
 1475 1480 1485
 Gly Thr Cys Thr Thr Thr Gly Cys Cys Ala Cys Gly Thr Thr Thr
 1490 1495 1500
 Gly Ala Ala Gly Cys Gly Gly Gly Ala Gly Thr Cys Ala Cys Ala
 1505 1510 1515
 Thr Cys Thr Cys Ala Ala Thr Thr Cys Gly Thr Cys Thr Cys Cys
 1520 1525 1530
 Ala Ala Gly Ala Ala Thr Gly Gly Thr Cys Cys Thr Gly Gly Cys
 1535 1540 1545
 Ala Cys Thr Gly Thr Ala Gly Ala Thr Ala Gly Cys Cys Ala Ala
 1550 1555 1560
 Gly Gly Gly Cys Ala Gly Ala Thr Cys Gly Ala Gly Thr Thr Thr
 1565 1570 1575
 Cys Thr Thr Gly Cys Ala Thr Gly Cys Thr Ala Cys Gly Cys Cys
 1580 1585 1590
 Ala Cys Ala Cys Thr Gly Ala Ala Gly Ala Cys Cys Ala Ala Gly
 1595 1600 1605
 Thr Cys Cys Cys Ala Gly Ala Cys Thr Ala Ala Gly Thr Thr Cys

1610		1615		1620
Thr Ala Cys Thr Thr Gly Gly Ala Gly Thr Thr Cys Cys Ala Cys				
1625		1630		1635
Thr Cys Ala Ala Gly Cys Thr Gly Cys Thr Thr Ala Gly Ala Gly				
1640		1645		1650
Ala Gly Thr Thr Thr Thr Gly Thr Cys Ala Ala Gly Ala Gly Thr				
1655		1660		1665
Cys Ala Gly Gly Ala Ala Gly Gly Ala Gly Ala Gly Ala Ala Thr				
1670		1675		1680
Gly Ala Ala Gly Ala Gly Gly Gly Ala Ala Gly Thr Gly Ala Ala				
1685		1690		1695
Gly Gly Ala Gly Ala Gly Cys Thr Gly Gly Thr Gly Gly Thr Ala				
1700		1705		1710
Cys Gly Gly Thr Thr Thr Gly Gly Ala Gly Ala Gly Ala Cys Thr				
1715		1720		1725
Cys Thr Thr Cys Cys Cys Ala Ala Gly Cys Thr Ala Ala Ala Gly				
1730		1735		1740
Cys Cys Cys Ala Thr Thr Ala Thr Cys Thr Cys Thr Gly Ala Cys				
1745		1750		1755
Cys Cys Cys Gly Ala Gly Thr Ala Cys Thr Thr Ala Cys Thr Gly				
1760		1765		1770
Gly Ala Cys Cys Ala Gly Cys Ala Thr Ala Thr Cys Cys Thr Gly				
1775		1780		1785
Ala Thr Cys Ala Gly Cys Ala Thr Thr Ala Ala Ala Thr Cys Cys				
1790		1795		1800
Thr Cys Thr Gly Ala Cys Ala Gly Thr Gly Ala Cys Gly Ala Gly				
1805		1810		1815

Thr	Cys	Cys	Thr	Ala	Thr	Gly	Gly	Thr	Gly	Ala	Ala	Gly	Gly	Cys
1820						1825					1830			
Thr	Gly	Cys	Ala	Thr	Thr	Gly	Cys	Cys	Cys	Thr	Thr	Cys	Gly	Cys
1835						1840					1845			
Thr	Thr	Gly	Gly	Ala	Gly	Ala	Cys	Cys	Ala	Cys	Ala	Gly	Ala	Gly
1850						1855					1860			
Gly	Cys	Thr	Cys	Ala	Gly	Cys	Ala	Thr	Cys	Cys	Thr	Ala	Thr	Cys
1865						1870					1875			
Thr	Ala	Cys	Ala	Cys	Gly	Cys	Cys	Thr	Cys	Thr	Cys	Ala	Cys	Cys
1880						1885					1890			
Cys	Ala	Cys	Cys	Ala	Thr	Gly	Gly	Gly	Gly	Ala	Gly	Ala	Thr	Gly
1895						1900					1905			
Ala	Cys	Thr	Gly	Gly	Cys	Cys	Ala	Cys	Thr	Thr	Cys	Ala	Gly	Gly
1910						1915					1920			
Gly	Gly	Ala	Gly	Ala	Gly	Ala	Thr	Thr	Ala	Ala	Gly	Cys	Thr	Gly
1925						1930					1935			
Cys	Ala	Gly	Ala	Cys	Cys	Thr	Cys	Cys	Cys	Ala	Gly	Gly	Gly	Cys
1940						1945					1950			
Ala	Ala	Gly	Ala	Thr	Gly	Ala	Gly	Gly	Gly	Ala	Gly	Ala	Ala	Gly
1955						1960					1965			
Cys	Thr	Cys	Thr	Ala	Thr	Gly	Ala	Cys	Thr	Thr	Thr	Gly	Thr	Gly
1970						1975					1980			
Ala	Ala	Gly	Ala	Cys	Ala	Gly	Ala	Gly	Cys	Gly	Gly	Gly	Ala	Thr
1985						1990					1995			
Gly	Ala	Ala	Thr	Cys	Cys	Ala	Gly	Thr	Gly	Gly	Ala	Ala	Thr	Gly
2000						2005					2010			
Ala	Ala	Ala	Thr	Gly	Cys	Thr	Thr	Gly	Ala	Ala	Gly	Ala	Ala	Cys
2015						2020					2025			

Cys Thr	Cys Ala	Cys Cys	Ala	Gly Cys	Cys Ala	Thr	Gly Ala	Cys	
2030			2035			2040			
Cys Cys	Thr Ala	Thr Gly	Ala	Gly Gly	Cys Ala	Ala	Thr Gly	Gly	
2045			2050			2055			
Gly Ala	Gly Cys	Cys Thr	Thr	Cys Thr	Gly Gly	Cys	Ala Gly	Gly	
2060			2065			2070			
Gly Thr	Cys Cys	Cys Thr	Gly	Cys Ala	Thr Gly	Thr	Gly Gly	Thr	
2075			2080			2085			
Gly Thr	Cys Thr	Cys Cys	Ala	Gly Cys	Cys Thr	Cys	Ala Ala	Thr	
2090			2095			2100			
Gly Ala	Gly Ala	Thr Gly	Ala	Thr Cys	Ala Ala	Thr	Cys Cys	Ala	
2105			2110			2115			
Ala Ala	Cys Thr	Ala Cys	Ala	Thr Thr	Gly Gly	Thr	Ala Thr	Gly	
2120			2125			2130			
Gly Gly	Gly Cys	Cys Thr	Thr	Thr Thr	Gly Gly	Ala	Cys Ala	Gly	
2135			2140			2145			
Cys Cys	Cys Cys	Thr Gly	Cys	Ala Thr	Gly Gly	Gly	Ala Ala	Ala	
2150			2155			2160			
Thr Cys	Ala Ala	Cys Cys	Cys	Thr Gly	Thr Cys	Cys	Cys Cys	Ala	
2165			2170			2175			
Gly Ala	Thr Cys	Ala Gly	Cys	Ala Ala	Cys Thr	Cys	Ala Cys	Ala	
2180			2185			2190			
Gly Cys	Thr Thr	Gly Gly	Ala	Gly Thr	Thr Ala	Thr	Gly Ala	Cys	
2195			2200			2205			
Cys Ala	Gly Cys	Thr Ala	Cys	Cys Cys	Ala Ala	Ala	Gly Ala	Cys	
2210			2215			2220			
Thr Cys	Cys Thr	Cys Cys	Cys	Thr Gly	Gly Gly	Gly	Cys Cys	Thr	
2225			2230			2235			

Gly Gly Gly Ala Gly Gly Gly Gly Gly Gly Ala Gly Gly Gly Thr
 2240 2245 2250

Cys Cys Thr Cys Cys Ala Ala Cys Cys Cys Cys Thr Cys Cys Cys
 2255 2260 2265

Thr Cys Cys Cys Ala Ala Cys Cys Ala Cys Cys Thr Cys Thr Gly
 2270 2275 2280

Thr Cys Gly Cys Cys Ala Ala Ala Gly Ala Ala Gly Thr Thr Thr
 2285 2290 2295

Thr Cys Ala Thr Cys Thr Thr Cys Cys Ala Cys Ala Gly Cys Cys
 2300 2305 2310

Ala Ala Cys Cys Gly Ala Gly Gly Thr Cys Cys Cys Thr Gly Cys
 2315 2320 2325

Cys Cys Cys Ala Gly Gly Gly Thr Gly Cys Ala Ala Gly Ala Gly
 2330 2335 2340

Gly Cys Ala Ala Gly Ala Cys Cys Thr Gly Gly Gly Gly Ala Thr
 2345 2350 2355

Cys Thr Gly Gly Gly Ala Ala Ala Gly Gly Thr Gly Gly Ala Ala
 2360 2365 2370

Gly Cys Thr Cys Thr Gly Cys Thr Cys Cys Ala Gly Gly Ala Gly
 2375 2380 2385

Gly Ala Cys Cys Thr Gly Cys Thr Gly Cys Thr Gly Ala Cys Gly
 2390 2395 2400

Ala Ala Gly Cys Cys Cys Gly Ala Gly Ala Thr Gly Thr Thr Thr
 2405 2410 2415

Gly Ala Gly Ala Ala Cys Cys Cys Ala Cys Thr Gly Thr Ala Thr
 2420 2425 2430

Gly Gly Ala Thr Cys Cys Gly Thr Gly Ala Gly Thr Thr Cys Cys

2435		2440		2445
Thr Thr Cys Cys Cys Thr	Ala Ala Gly Cys Thr	Gly Gly Thr Gly		
2450	2455	2460		
Cys Cys Cys Ala Gly Gly	Ala Ala Ala Gly Ala	Gly Cys Ala Gly		
2465	2470	2475		
Gly Ala Gly Thr Cys Thr	Cys Cys Cys Ala Ala	Gly Ala Thr Gly		
2480	2485	2490		
Cys Thr Gly Cys Gly Gly	Ala Ala Gly Gly Ala	Gly Cys Cys Cys		
2495	2500	2505		
Cys Cys Gly Cys Cys Cys	Thr Gly Thr Cys Cys	Ala Gly Ala Cys		
2510	2515	2520		
Cys Cys Ala Gly Gly Ala	Ala Thr Cys Thr Cys	Ala Thr Cys Ala		
2525	2530	2535		
Cys Cys Cys Ala Gly Cys	Ala Thr Cys Gly Thr	Gly Cys Thr Cys		
2540	2545	2550		
Cys Cys Cys Ala Ala Ala	Gly Cys Cys Cys Ala	Ala Gly Ala Gly		
2555	2560	2565		
Gly Thr Gly Gly Ala Gly	Ala Gly Thr Gly Thr	Cys Ala Ala Gly		
2570	2575	2580		
Gly Gly Gly Ala Cys Ala	Ala Gly Cys Ala Ala	Ala Cys Ala Gly		
2585	2590	2595		
Gly Cys Cys Cys Cys Thr	Gly Thr Gly Cys Cys	Thr Gly Thr Cys		
2600	2605	2610		
Cys Thr Thr Gly Gly Cys	Cys Cys Cys Ala Cys	Ala Cys Cys Cys		
2615	2620	2625		
Cys Gly Gly Ala Thr Cys	Cys Gly Cys Thr Cys	Cys Thr Thr Thr		
2630	2635	2640		

Ala Cys	Cys Thr Gly Thr	Thr	Cys Thr Thr Cys	Thr	Thr Cys Thr
2645		2650		2655	
Gly Cys	Thr Gly Ala Gly	Gly	Gly Cys Ala Gly	Ala	Ala Thr Gly
2660		2665		2670	
Ala Cys	Cys Ala Gly Thr	Gly	Gly Gly Gly Ala	Cys	Ala Ala Gly
2675		2680		2685	
Ala Gly	Cys Cys Ala Ala	Gly	Gly Gly Ala Ala	Gly	Cys Cys Cys
2690		2695		2700	
Ala Ala	Gly Gly Cys Cys	Thr	Cys Ala Gly Cys	Cys	Ala Gly Thr
2705		2710		2715	
Thr Cys	Cys Cys Ala Ala	Gly	Cys Cys Cys Cys	Ala	Gly Thr Gly
2720		2725		2730	
Cys Cys	Ala Gly Thr Cys	Ala	Ala Gly Ala Gly	Gly	Cys Cys Thr
2735		2740		2745	
Gly Thr	Cys Ala Ala Gly	Cys	Cys Thr Thr Cys	Cys	Ala Gly Gly
2750		2755		2760	
Thr Cys	Ala Gly Ala Ala	Ala	Thr Gly Ala Gly	Cys	Cys Ala Gly
2765		2770		2775	
Cys Ala	Gly Ala Cys Ala	Ala	Cys Ala Cys Cys	Cys	Ala Thr Cys
2780		2785		2790	
Cys Cys	Ala Gly Cys Thr	Cys	Cys Ala Cys Gly	Gly	Cys Cys Ala
2795		2800		2805	
Cys Cys	Cys Cys Thr Gly	Cys	Cys Ala Gly Thr	Cys	Ala Ala Gly
2810		2815		2820	
Ala Gly	Thr Cys Cys Thr	Gly	Cys Thr Gly Thr	Cys	Cys Thr Gly
2825		2830		2835	
Cys Ala	Gly Cys Thr Gly	Cys	Ala Ala Cys Ala	Thr	Thr Cys Cys
2840		2845		2850	

Ala	Ala	Ala	Gly	Gly	Cys	Ala	Gly	Ala	Gly	Ala	Cys	Thr	Ala	Cys
2855						2860					2865			
Cys	Gly	Thr	Gly	Ala	Cys	Ala	Ala	Cys	Ala	Cys	Ala	Gly	Ala	Ala
2870						2875					2880			
Cys	Thr	Cys	Cys	Cys	Cys	Cys	Ala	Cys	Cys	Ala	Thr	Gly	Gly	Cys
2885						2890					2895			
Ala	Ala	Gly	Cys	Ala	Cys	Cys	Gly	Cys	Cys	Ala	Ala	Gly	Ala	Gly
2900						2905					2910			
Gly	Ala	Gly	Gly	Gly	Gly	Cys	Thr	Gly	Cys	Thr	Thr	Gly	Gly	Cys
2915						2920					2925			
Ala	Gly	Gly	Ala	Cys	Thr	Gly	Cys	Cys	Ala	Thr	Gly	Cys	Ala	Gly
2930						2935					2940			
Thr	Gly	Ala	Gly	Cys	Thr	Gly	Cys	Thr	Gly	Gly	Thr	Gly	Ala	Thr
2945						2950					2955			
Cys	Gly	Gly	Ala	Gly	Cys	Cys	Thr	Gly	Gly	Ala	Gly	Gly	Ala	Ala
2960						2965					2970			
Cys	Ala	Gly	Cys	Ala	Cys	Ala	Ala	Ala	Gly	Cys	Ala	Gly	Ala	Cys
2975						2980					2985			
Cys	Thr	Gly	Cys	Gly	Cys	Cys	Thr	Cys	Thr	Cys	Thr	Cys	Ala	Gly
2990						2995					3000			
Gly	Ala	Thr	Gly	Cys	Cys	Thr	Cys	Thr	Cys	Thr	Cys	Ala	Gly	Gly
3005						3010					3015			
Ala	Thr	Gly	Cys	Cys	Thr	Cys	Thr	Thr	Gly	Gly	Ala	Gly	Gly	Ala
3020						3025					3030			
Cys	Cys	Thr	Cys	Cys	Thr	Gly	Cys	Thr	Ala	Gly	Cys	Thr	Cys	Thr
3035						3040					3045			
Thr	Cys	Thr	Thr	Gly	Cys	Cys	Thr	Ala	Gly	Cys	Thr	Thr	Cys	Ala
3050						3055					3060			

Ala Gly Thr Cys Cys Cys Ala Gly Gly Cys Thr Gly Thr Gly Thr
 3065 3070 3075
 Ala Thr Thr Thr Thr Thr Thr Thr Thr Cys Ala Gly Gly Ala Ala
 3080 3085 3090
 Ala Cys Gly Gly Cys Cys Thr Cys Ala Cys Thr Thr Cys Thr Cys
 3095 3100 3105
 Thr Gly Thr Gly Gly Thr Cys Cys Ala Ala Gly Ala Ala Gly Thr
 3110 3115 3120
 Gly Thr Gly Cys Thr Gly Cys Thr Gly Gly Cys Thr Gly Cys Cys
 3125 3130 3135
 Ala Cys Ala Cys Thr Gly Thr Gly Cys Gly Gly Cys Ala Gly Ala
 3140 3145 3150
 Thr Gly Cys Thr Ala Ala Ala Gly Cys Thr Gly Gly Ala Thr Gly
 3155 3160 3165
 Ala Cys Ala Ala Ala Cys Gly Cys Ala Cys Gly Cys Cys Ala Thr
 3170 3175 3180
 Ala Cys Ala Gly Ala Cys Ala Gly Cys Ala Gly Ala Cys Ala Gly
 3185 3190 3195
 Cys Gly Gly Cys Ala Cys Thr Gly Gly Gly Thr Cys Thr Cys Ala
 3200 3205 3210
 Gly Ala Ala Cys Thr Thr Gly Gly Ala Thr Thr Cys Cys Thr Gly
 3215 3220 3225
 Gly Gly Cys Cys Thr Thr Cys Thr Thr Cys Cys Ala Gly Thr Cys
 3230 3235 3240
 Gly Cys Cys Gly Thr Thr Thr Thr Ala Ala Ala Gly Ala Ala Ala
 3245 3250 3255
 Gly Gly Ala Ala Cys Thr Ala Ala Cys Gly Gly Ala Gly Cys Thr

3260		3265		3270
Gly Cys Thr Cys Ala Thr Cys Cys Gly Ala Gly Gly Gly Thr Gly				
3275		3280		3285
Ala Ala Gly Ala Thr Ala Thr Ala Ala Ala Thr Ala Ala Thr Ala				
3290		3295		3300
Ala Thr Ala Thr Thr Ala Thr Thr Ala Ala Thr Ala Ala Thr Ala				
3305		3310		3315
Ala Thr Ala Ala Cys Ala Gly Thr Cys Ala Gly Gly Thr Gly Cys				
3320		3325		3330
Cys Ala Thr Gly Thr Gly Cys Thr Gly Thr Gly Thr Thr Ala Ala				
3335		3340		3345
Gly Thr Gly Cys Thr Thr Thr Ala Thr Gly Ala Ala Cys Ala Thr				
3350		3355		3360
Thr Thr Gly Thr Cys Gly Gly Gly Cys Thr Gly Gly Cys Cys Thr				
3365		3370		3375
Cys Cys Ala Gly Thr Gly Cys Thr Gly Ala Gly Gly Thr Gly Cys				
3380		3385		3390
Cys Ala Gly Thr Cys Ala Gly Cys Cys Thr Gly Ala Ala Cys Cys				
3395		3400		3405
Cys Thr Ala Thr Gly Cys Cys Cys Ala Gly Gly Cys Cys Cys Ala				
3410		3415		3420
Cys Thr Ala Ala Thr Cys Cys Cys Ala Ala Ala Thr Gly Gly Thr				
3425		3430		3435
Gly Gly Gly Thr Cys Cys Thr Gly Ala Gly Ala Thr Gly Thr Thr				
3440		3445		3450
Thr Thr Thr Ala Ala Ala Ala Ala Gly Cys Ala Thr Thr Ala Ala				
3455		3460		3465

Ala Gly 3470	Ala Ala Ala Ala Cys 3475	Cys Ala Thr Cys Gly 3480	Gly Thr Cys
Thr Cys 3485	Thr Thr Ala Gly Ala 3490	Gly Cys Thr Ala Ala 3495	Cys Cys Gly
Gly Cys 3500	Cys Gly Gly Gly Cys 3505	Thr Cys Thr Ala Cys 3510	Thr Gly Cys
Ala Gly 3515	Gly Gly Ala Cys Cys 3520	Cys Gly Ala Ala Cys 3525	Ala Gly Thr
Cys Thr 3530	Gly Cys Ala Thr Gly 3535	Gly Cys Thr Ala Ala 3540	Gly Thr Gly
Gly Cys 3545	Ala Cys Ala Ala Gly 3550	Gly Ala Gly Cys Cys 3555	Thr Gly Gly
Cys Cys 3560	Cys Thr Gly Thr Cys 3565	Cys Ala Gly Cys Thr 3570	Thr Cys Ala
Gly Ala 3575	Gly Ala Thr Cys Cys 3580	Ala Ala Gly Cys Thr 3585	Gly Cys Thr
Thr Thr 3590	Thr Thr Gly Cys Thr 3595	Gly Gly Gly Gly Thr 3600	Thr Cys Thr
Gly Thr 3605	Cys Ala Cys Ala Gly 3610	Gly Cys Cys Thr Gly 3615	Ala Thr Cys
Cys Thr 3620	Cys Thr Thr Gly Gly 3625	Thr Thr Thr Thr Thr 3630	Ala Thr Gly
Gly Gly 3635	Gly Thr Thr Thr Cys 3640	Ala Ala Gly Thr Cys 3645	Thr Gly Cys
Cys Ala 3650	Gly Ala Gly Thr Cys 3655	Ala Gly Ala Ala Ala 3660	Thr Cys Ala
Gly Cys 3665	Thr Cys Thr Ala Ala 3670	Cys Thr Cys Gly Cys 3675	Cys Ala Gly

Thr Gly Ala Ala Gly Ala Gly Ala Thr Cys Thr Gly Gly Cys Cys
 3680 3685 3690
 Thr Thr Ala Ala Cys Thr Thr Ala Ala Gly Cys Cys Ala Gly Cys
 3695 3700 3705
 Cys Ala Cys Gly Thr Cys Ala Gly Gly Cys Cys Cys Cys Thr Gly
 3710 3715 3720
 Cys Thr Gly Ala Gly Cys Cys Thr Ala Thr Gly Gly Ala Cys Cys
 3725 3730 3735
 Ala Ala Thr Ala Ala Ala Thr Ala Cys Thr Cys Cys Cys Gly
 3740 3745 3750
 Thr Gly Cys Cys Ala Cys Thr Gly Gly Ala Gly Gly Thr Gly Gly
 3755 3760 3765
 Gly Cys Ala Gly Cys Thr Ala Thr Cys Ala Cys Cys Ala Thr Ala
 3770 3775 3780
 Cys Cys Cys Thr Gly Ala Gly Thr Thr Gly Gly Gly Cys Cys Ala
 3785 3790 3795
 Ala Gly Cys Cys Cys Ala Cys Cys Cys Cys Ala Cys Cys Cys Cys
 3800 3805 3810
 Thr Ala Cys Cys Cys Thr Gly Cys Ala Ala Cys Ala Thr Thr Thr
 3815 3820 3825
 Cys Thr Gly Ala Thr Gly Thr Trp Cys Thr Gly Ala Gly Gly Ala
 3830 3835 3840
 Ala Gly Ala Gly Thr Cys Thr Cys Cys Ala Cys Cys Ala Thr Ala
 3845 3850 3855
 Gly Thr Cys Cys Cys Cys Ala Ala Gly Gly Gly Cys Thr Gly Ala
 3860 3865 3870
 Gly Thr Thr Cys Thr Cys Cys Ala Gly Cys Cys Thr Gly Cys Thr
 3875 3880 3885

Ala Thr Cys Ala Gly Gly Gly Ala Ala Gly Gly Thr Gly Ala Gly
3890 3895 3900

Cys Ala Thr Thr Gly Gly Thr Cys Cys Cys Ala Gly Gly Cys Thr
3905 3910 3915

Cys Thr Cys Ala Ala Ala Ala Thr Ala Gly Thr Gly Cys Ala Gly
3920 3925 3930

Cys Cys Thr Cys Thr Thr Cys Thr Thr Cys Cys Cys Ala Ala Gly
3935 3940 3945

Cys Thr Cys Thr Gly Gly Gly Gly Thr Gly Cys Ala Cys Cys Cys
3950 3955 3960

Thr Gly Thr Gly Thr Cys Cys Thr Thr Gly Gly Thr Thr Ala Cys
3965 3970 3975

Cys Ala Gly Gly Ala Gly Ala Cys Thr Ala Gly Gly Gly Thr Thr
3980 3985 3990

Gly Thr Gly Ala Thr Ala Thr Cys Thr Thr Thr Thr Cys Thr Thr
3995 4000 4005

Gly Thr Cys Thr Thr Gly Cys Thr Thr Thr Thr Thr Gly Ala Thr
4010 4015 4020

Ala Thr Ala Thr Cys Ala Gly Gly Ala Thr Thr Ala Ala Thr Gly
4025 4030 4035

Thr Ala Gly Gly Ala Ala Ala Cys Cys Ala Gly Ala Cys Cys Thr
4040 4045 4050

Ala Gly Ala Thr Thr Ala Thr Thr Cys Ala Gly Gly Ala Gly Ala
4055 4060 4065

Gly Thr Ala Gly Gly Thr Ala Thr Ala Thr Cys Cys Cys Cys Thr
4070 4075 4080

Gly Thr Gly Thr Thr Thr Cys Cys Cys Ala Gly Thr Cys Thr Gly

4085

4090

4095

Ala Gly Thr Gly Ala Cys Cys Ala Ala Thr Ala Ala Ala Thr
 4100 4105 4110

Thr Gly Thr Gly Cys Cys Thr Thr Thr Cys Thr Ala
 4115 4120 4125

<210> 2
 <211> 3942
 <212> PRT
 <213> Mus musculus

<400> 2

Gly Thr Thr Cys Cys Cys Ala Cys Thr Ala Gly Thr Thr Gly Thr Thr
 1 5 10 15

Gly Ala Ala Cys Thr Thr Thr Ala Cys Cys Thr Thr Gly Ala Ala Cys
 20 25 30

Cys Thr Cys Thr Gly Cys Thr Cys Cys Cys Ala Gly Gly Gly Ala Ala
 35 40 45

Gly Thr Cys Ala Thr Cys Ala Gly Gly Ala Cys Thr Cys Thr Gly Cys
 50 55 60

Cys Ala Thr Cys Cys Cys Thr Gly Gly Ala Gly Thr Cys Thr Cys Thr
 65 70 75 80

Gly Cys Ala Gly Ala Gly Gly Thr Thr Gly Thr Thr Thr Gly Ala Cys
 85 90 95

Cys Ala Ala Cys Ala Gly Cys Thr Cys Thr Cys Cys Cys Cys Ala Gly
 100 105 110

Gly Cys Cys Thr Thr Cys Gly Cys Cys Cys Ala Cys Gly Ala Cys Cys
 115 120 125

Thr Cys Ala Gly Gly Thr Gly Cys Cys Cys Gly Gly Ala Gly Ala Gly
 130 135 140

Gly Cys Cys Ala Gly Thr Cys Cys Cys Ala Thr Cys Ala Cys Cys Ala

145 150 155 160
 Thr Gly Gly Thr Thr Gly Cys Cys Ala Ala Ala Cys Thr Cys Ala Gly
 165 170 175
 Cys Cys Ala Ala Thr Thr Gly Ala Cys Ala Ala Gly Thr Cys Thr Gly
 180 185 190
 Cys Thr Gly Thr Cys Thr Thr Cys Cys Ala Thr Thr Gly Ala Ala Gly
 195 200 205
 Ala Thr Ala Ala Gly Gly Thr Cys Ala Ala Gly Thr Cys Cys Thr Thr
 210 215 220
 Gly Cys Thr Gly Cys Ala Cys Gly Ala Gly Gly Gly Cys Thr Cys Ala
 225 230 235 240
 Gly Ala Ala Thr Cys Thr Ala Cys Cys Ala Ala Cys Ala Gly Gly Cys
 245 250 255
 Gly Thr Thr Cys Cys Cys Thr Thr Ala Thr Cys Cys Cys Thr Cys Cys
 260 265 270
 Gly Gly Thr Cys Ala Cys Cys Thr Thr Thr Gly Ala Gly Gly Thr Gly
 275 280 285
 Ala Ala Gly Thr Cys Ala Gly Ala Gly Thr Cys Cys Cys Thr Gly Gly
 290 295 300
 Gly Cys Ala Thr Thr Cys Cys Thr Cys Ala Gly Ala Ala Ala Ala Thr
 305 310 315 320
 Gly Cys Ala Thr Cys Thr Cys Ala Ala Ala Gly Thr Gly Gly Ala Cys
 325 330 335
 Gly Thr Thr Gly Ala Gly Thr Cys Thr Gly Gly Gly Ala Ala Ala Cys
 340 345 350
 Thr Gly Ala Thr Cys Gly Thr Thr Ala Ala Gly Ala Ala Gly Thr Cys
 355 360 365

Cys Ala Ala Gly Gly Ala Thr Gly Gly Thr Thr Cys Thr Gly Ala Gly
 370 375 380

Gly Ala Cys Ala Ala Gly Thr Thr Cys Thr Ala Cys Ala Gly Cys Cys
 385 390 395 400

Ala Cys Ala Ala Ala Ala Ala Ala Thr Cys Cys Thr Gly Cys Ala
 405 410 415

Gly Cys Thr Cys Ala Thr Thr Ala Ala Gly Thr Cys Cys Cys Ala Gly
 420 425 430

Ala Ala Gly Thr Thr Thr Cys Thr Ala Ala Ala Cys Ala Ala Gly Thr
 435 440 445

Thr Gly Gly Thr Gly Ala Thr Thr Thr Thr Gly Gly Thr Gly Gly Ala
 450 455 460

Gly Ala Cys Gly Gly Ala Gly Ala Ala Gly Gly Ala Gly Ala Ala Ala
 465 470 475 480

Ala Thr Cys Cys Thr Gly Ala Gly Gly Ala Ala Gly Gly Ala Ala Thr
 485 490 495

Ala Thr Gly Thr Thr Thr Thr Thr Gly Cys Thr Gly Ala Cys Thr Cys
 500 505 510

Thr Ala Ala Gly Ala Ala Ala Ala Gly Ala Gly Ala Ala Gly Gly Cys
 515 520 525

Thr Thr Cys Thr Gly Thr Cys Ala Ala Cys Thr Cys Cys Thr Gly Cys
 530 535 540

Ala Gly Cys Ala Gly Ala Thr Gly Ala Ala Gly Ala Ala Cys Ala Ala
 545 550 555 560

Gly Cys Ala Thr Thr Cys Gly Gly Ala Gly Cys Ala Gly Cys Cys Ala
 565 570 575

Gly Ala Gly Cys Cys Thr Gly Ala Cys Ala Thr Gly Ala Thr Cys Ala
 580 585 590

Cys Cys Ala Thr Cys Thr Thr Cys Ala Thr Thr Gly Gly Cys Ala Cys
 595 600 605

Thr Thr Gly Gly Ala Ala Cys Ala Thr Gly Gly Gly Thr Ala Ala Thr
 610 615 620

Gly Cys Ala Cys Cys Cys Cys Cys Thr Cys Cys Cys Ala Ala Gly Ala
 625 630 635 640

Ala Gly Ala Thr Cys Ala Cys Gly Thr Cys Cys Thr Gly Gly Thr Thr
 645 650 655

Thr Cys Thr Cys Thr Cys Cys Ala Ala Gly Gly Gly Gly Cys Ala Gly
 660 665 670

Gly Gly Ala Ala Ala Gly Ala Cys Ala Cys Gly Gly Gly Ala Cys Gly
 675 680 685

Ala Cys Thr Cys Thr Gly Cys Thr Gly Ala Cys Thr Ala Cys Ala Thr
 690 695 700

Cys Cys Cys Cys Cys Ala Thr Gly Ala Cys Ala Thr Cys Thr Ala Thr
 705 710 715 720

Gly Thr Gly Ala Thr Thr Gly Gly Cys Ala Cys Cys Cys Ala Gly Gly
 725 730 735

Ala Gly Gly Ala Thr Cys Cys Cys Cys Thr Thr Gly Gly Ala Gly Ala
 740 745 750

Gly Ala Ala Gly Gly Ala Gly Thr Gly Gly Cys Thr Gly Gly Ala Gly
 755 760 765

Cys Thr Ala Cys Thr Cys Ala Gly Gly Cys Ala Cys Thr Cys Cys Cys
 770 775 780

Thr Gly Cys Ala Ala Gly Ala Ala Gly Thr Cys Ala Cys Cys Ala Gly
 785 790 795 800

Cys Ala Thr Gly Ala Cys Ala Thr Thr Thr Ala Ala Ala Ala Cys Ala
 805 810 815

Gly Thr Thr Gly Cys Cys Ala Thr Cys Cys Ala Cys Ala Cys Cys Cys
 820 825 830

Thr Cys Thr Gly Gly Ala Ala Cys Ala Thr Thr Cys Gly Cys Ala Thr
 835 840 845

Ala Gly Thr Gly Gly Thr Gly Cys Thr Thr Gly Cys Cys Ala Ala Gly
 850 855 860

Cys Cys Ala Gly Ala Gly Cys Ala Thr Gly Ala Gly Ala Ala Thr Cys
 865 870 875 880

Gly Gly Ala Thr Cys Ala Gly Cys Cys Ala Thr Ala Thr Cys Thr Gly
 885 890 895

Cys Ala Cys Thr Gly Ala Cys Ala Ala Cys Gly Thr Gly Ala Ala Gly
 900 905 910

Ala Cys Ala Gly Gly Cys Ala Thr Cys Gly Cys Cys Ala Ala Cys Ala
 915 920 925

Cys Cys Cys Thr Gly Gly Gly Ala Ala Ala Cys Ala Ala Gly Gly Gly
 930 935 940

Ala Gly Cys Ala Gly Thr Gly Gly Gly Ala Gly Thr Gly Thr Cys Cys
 945 950 955 960

Thr Thr Cys Ala Thr Gly Thr Thr Cys Ala Ala Thr Gly Gly Ala Ala
 965 970 975

Cys Cys Thr Cys Cys Thr Thr Gly Gly Gly Gly Thr Thr Cys Gly Thr
 980 985 990

Cys Ala Ala Cys Ala Gly Cys Cys Ala Cys Thr Thr Gly Ala Cys Thr
 995 1000 1005

Thr Cys Thr Gly Gly Ala Ala Gly Cys Gly Ala Ala Ala Ala Ala
 1010 1015 1020

Ala Ala Gly Cys Thr Cys Ala Gly Gly Ala Gly Ala Ala Ala Thr

1025		1030		1035
Cys Ala Ala Ala Cys Thr Ala Thr Ala Thr Gly Ala Ala Cys				
1040		1045		1050
Ala Thr Cys Cys Thr Gly Cys Gly Gly Thr Thr Cys Cys Thr Gly				
1055		1060		1065
Gly Cys Cys Cys Thr Gly Gly Gly Ala Gly Ala Cys Ala Ala Gly				
1070		1075		1080
Ala Ala Gly Cys Thr Ala Ala Gly Cys Cys Cys Ala Thr Thr Thr				
1085		1090		1095
Ala Ala Cys Ala Thr Cys Ala Cys Cys Cys Ala Cys Cys Gly Cys				
1100		1105		1110
Thr Thr Cys Ala Cys Cys Cys Ala Cys Cys Thr Cys Thr Thr Cys				
1115		1120		1125
Thr Gly Gly Cys Thr Thr Gly Gly Gly Gly Ala Thr Cys Thr Cys				
1130		1135		1140
Ala Ala Cys Thr Ala Cys Cys Gly Cys Gly Thr Gly Gly Ala Gly				
1145		1150		1155
Cys Thr Gly Cys Cys Cys Ala Cys Thr Thr Gly Gly Gly Ala Gly				
1160		1165		1170
Gly Cys Ala Gly Ala Gly Gly Cys Cys Ala Thr Cys Ala Thr Cys				
1175		1180		1185
Cys Ala Gly Ala Ala Gly Ala Thr Cys Ala Ala Gly Cys Ala Ala				
1190		1195		1200
Cys Ala Gly Cys Ala Gly Thr Ala Thr Thr Cys Ala Gly Ala Cys				
1205		1210		1215
Cys Thr Thr Cys Thr Gly Gly Cys Cys Cys Ala Cys Gly Ala Cys				
1220		1225		1230

Cys	Ala	Ala	Cys	Thr	Gly	Cys	Thr	Cys	Cys	Thr	Gly	Gly	Ala	Gly
1235						1240					1245			
Ala	Gly	Gly	Ala	Ala	Gly	Gly	Ala	Cys	Cys	Ala	Gly	Ala	Ala	Gly
1250						1255					1260			
Gly	Thr	Cys	Thr	Thr	Cys	Cys	Thr	Gly	Cys	Ala	Cys	Thr	Thr	Thr
1265						1270					1275			
Gly	Ala	Gly	Gly	Ala	Gly	Gly	Ala	Ala	Gly	Ala	Gly	Ala	Thr	Cys
1280						1285					1290			
Ala	Cys	Cys	Thr	Thr	Cys	Gly	Cys	Cys	Cys	Cys	Cys	Ala	Cys	Cys
1295						1300					1305			
Thr	Ala	Thr	Cys	Gly	Ala	Thr	Thr	Thr	Gly	Ala	Ala	Ala	Gly	Ala
1310						1315					1320			
Cys	Thr	Gly	Ala	Cys	Cys	Cys	Gly	Gly	Gly	Ala	Cys	Ala	Ala	Gly
1325						1330					1335			
Thr	Ala	Thr	Gly	Cys	Ala	Thr	Ala	Cys	Ala	Cys	Gly	Ala	Ala	Gly
1340						1345					1350			
Cys	Ala	Gly	Ala	Ala	Ala	Gly	Cys	Ala	Ala	Cys	Ala	Gly	Gly	Gly
1355						1360					1365			
Ala	Thr	Gly	Ala	Ala	Gly	Thr	Ala	Cys	Ala	Ala	Cys	Thr	Thr	Gly
1370						1375					1380			
Cys	Cys	Gly	Thr	Cys	Cys	Thr	Gly	Gly	Thr	Gly	Cys	Gly	Ala	Cys
1385						1390					1395			
Cys	Gly	Ala	Gly	Thr	Cys	Cys	Thr	Cys	Thr	Gly	Gly	Ala	Ala	Gly
1400						1405					1410			
Thr	Cys	Thr	Thr	Ala	Cys	Cys	Cys	Gly	Cys	Thr	Gly	Gly	Thr	Gly
1415						1420					1425			
Cys	Ala	Thr	Gly	Thr	Gly	Gly	Thr	Cys	Thr	Gly	Thr	Cys	Ala	Gly
1430						1435					1440			

Thr Cys Cys Thr Ala Thr Gly Gly Cys Ala Gly Thr Ala Cys Cys
 1445 1450 1455

Ala Gly Thr Gly Ala Cys Ala Thr Cys Ala Thr Gly Ala Cys Gly
 1460 1465 1470

Ala Gly Thr Gly Ala Cys Cys Ala Cys Ala Gly Cys Cys Cys Thr
 1475 1480 1485

Gly Thr Cys Thr Thr Thr Gly Cys Cys Ala Cys Gly Thr Thr Thr
 1490 1495 1500

Gly Ala Ala Gly Cys Gly Gly Gly Ala Gly Thr Cys Ala Cys Ala
 1505 1510 1515

Thr Cys Thr Cys Ala Ala Thr Thr Cys Gly Thr Cys Thr Cys Cys
 1520 1525 1530

Ala Ala Gly Ala Ala Thr Gly Gly Thr Cys Cys Thr Gly Gly Cys
 1535 1540 1545

Ala Cys Thr Gly Thr Ala Gly Ala Thr Ala Gly Cys Cys Ala Ala
 1550 1555 1560

Gly Gly Gly Cys Ala Gly Ala Thr Cys Gly Ala Gly Thr Thr Thr
 1565 1570 1575

Cys Thr Thr Gly Cys Ala Thr Gly Cys Thr Ala Cys Gly Cys Cys
 1580 1585 1590

Ala Cys Ala Cys Thr Gly Ala Ala Gly Ala Cys Cys Ala Ala Gly
 1595 1600 1605

Thr Cys Cys Cys Ala Gly Ala Cys Thr Ala Ala Gly Thr Thr Cys
 1610 1615 1620

Thr Ala Cys Thr Thr Gly Gly Ala Gly Thr Thr Cys Cys Ala Cys
 1625 1630 1635

Thr Cys Ala Ala Gly Cys Thr Gly Cys Thr Thr Ala Gly Ala Gly
 1640 1645 1650

Ala Gly Thr Thr Thr Thr Gly Thr Cys Ala Ala Gly Ala Gly Thr
1655 1660 1665

Cys Ala Gly Gly Ala Ala Gly Gly Ala Gly Ala Gly Ala Ala Thr
1670 1675 1680

Gly Ala Ala Gly Ala Gly Gly Gly Ala Ala Gly Thr Gly Ala Ala
1685 1690 1695

Gly Gly Ala Gly Ala Gly Cys Thr Gly Gly Thr Gly Gly Thr Ala
1700 1705 1710

Cys Gly Gly Thr Thr Thr Gly Gly Ala Gly Ala Gly Ala Cys Thr
1715 1720 1725

Cys Thr Thr Cys Cys Cys Ala Ala Gly Cys Thr Ala Ala Ala Gly
1730 1735 1740

Cys Cys Cys Ala Thr Thr Ala Thr Cys Thr Cys Thr Gly Ala Cys
1745 1750 1755

Cys Cys Cys Gly Ala Gly Thr Ala Cys Thr Thr Ala Cys Thr Gly
1760 1765 1770

Gly Ala Cys Cys Ala Gly Cys Ala Thr Ala Thr Cys Cys Thr Gly
1775 1780 1785

Ala Thr Cys Ala Gly Cys Ala Thr Thr Ala Ala Ala Thr Cys Cys
1790 1795 1800

Thr Cys Thr Gly Ala Cys Ala Gly Thr Gly Ala Cys Gly Ala Gly
1805 1810 1815

Thr Cys Cys Thr Ala Thr Gly Gly Thr Gly Ala Ala Gly Gly Cys
1820 1825 1830

Thr Gly Cys Ala Thr Thr Gly Cys Cys Cys Thr Thr Cys Gly Cys
1835 1840 1845

Thr Thr Gly Gly Ala Gly Ala Cys Cys Ala Cys Ala Gly Ala Gly

1850		1855		1860
Gly Cys Thr Cys Ala Gly Cys Ala Thr Cys Cys Thr Ala Thr Cys				
1865		1870		1875
Thr Ala Cys Ala Cys Gly Cys Cys Thr Cys Thr Cys Ala Cys Cys				
1880		1885		1890
Cys Ala Cys Cys Ala Thr Gly Gly Gly Gly Ala Gly Ala Thr Gly				
1895		1900		1905
Ala Cys Thr Gly Gly Cys Cys Ala Cys Thr Thr Cys Ala Gly Gly				
1910		1915		1920
Gly Gly Ala Gly Ala Gly Ala Thr Thr Ala Ala Gly Cys Thr Gly				
1925		1930		1935
Cys Ala Gly Ala Cys Cys Thr Cys Cys Cys Ala Gly Gly Gly Cys				
1940		1945		1950
Ala Ala Gly Ala Thr Gly Ala Gly Gly Gly Ala Gly Ala Ala Gly				
1955		1960		1965
Cys Thr Cys Thr Ala Thr Gly Ala Cys Thr Thr Thr Gly Thr Gly				
1970		1975		1980
Ala Ala Gly Ala Cys Ala Gly Ala Gly Cys Gly Gly Gly Ala Thr				
1985		1990		1995
Gly Ala Ala Thr Cys Cys Ala Gly Thr Gly Gly Ala Ala Thr Gly				
2000		2005		2010
Ala Ala Ala Thr Gly Cys Thr Thr Gly Ala Ala Gly Ala Ala Cys				
2015		2020		2025
Cys Thr Cys Ala Cys Cys Ala Gly Cys Cys Ala Thr Gly Ala Cys				
2030		2035		2040
Cys Cys Thr Ala Thr Gly Ala Gly Gly Cys Ala Ala Thr Gly Gly				
2045		2050		2055

Gly Ala	Gly Cys Cys Thr Thr	Cys Thr Gly Gly Cys	Ala Gly Gly
2060		2065	2070
Gly Thr	Cys Cys Cys Thr Gly	Cys Ala Thr Gly Thr	Gly Gly Thr
2075		2080	2085
Gly Thr	Cys Thr Cys Cys Ala	Gly Cys Cys Thr Cys	Ala Ala Thr
2090		2095	2100
Gly Ala	Gly Ala Thr Gly Ala	Thr Cys Ala Ala Thr	Cys Cys Ala
2105		2110	2115
Ala Ala	Cys Thr Ala Cys Ala	Thr Thr Gly Cys Cys	Ala Ala Cys
2120		2125	2130
Cys Gly	Ala Gly Gly Thr Cys	Cys Cys Thr Gly Cys	Cys Cys Cys
2135		2140	2145
Ala Gly	Gly Gly Thr Gly Cys	Ala Ala Gly Ala Gly	Gly Cys Ala
2150		2155	2160
Ala Gly	Ala Cys Cys Thr Gly	Gly Gly Gly Ala Thr	Cys Thr Gly
2165		2170	2175
Gly Gly	Ala Ala Ala Gly Gly	Thr Gly Gly Ala Ala	Gly Cys Thr
2180		2185	2190
Cys Thr	Gly Cys Thr Cys Cys	Ala Gly Gly Ala Gly	Gly Ala Cys
2195		2200	2205
Cys Thr	Gly Cys Thr Gly Cys	Thr Gly Ala Cys Gly	Ala Ala Gly
2210		2215	2220
Cys Cys	Cys Gly Ala Gly Ala	Thr Gly Thr Thr Thr	Gly Ala Gly
2225		2230	2235
Ala Ala	Cys Cys Cys Ala Cys	Thr Gly Thr Ala Thr	Gly Gly Ala
2240		2245	2250
Thr Cys	Cys Gly Thr Gly Ala	Gly Thr Thr Cys Cys	Thr Thr Cys
2255		2260	2265

Cys Cys Thr Ala Ala Gly Cys Thr Gly Gly Thr Gly Cys Cys Cys	2270	2275	2280
Ala Gly Gly Ala Ala Ala Gly Ala Gly Cys Ala Gly Gly Ala Gly	2285	2290	2295
Thr Cys Thr Cys Cys Cys Ala Ala Gly Ala Thr Gly Cys Thr Gly	2300	2305	2310
Cys Gly Gly Ala Ala Gly Gly Ala Gly Cys Cys Cys Cys Cys Gly	2315	2320	2325
Cys Cys Cys Thr Gly Thr Cys Cys Ala Gly Ala Cys Cys Cys Ala	2330	2335	2340
Gly Gly Ala Ala Thr Cys Thr Cys Ala Thr Cys Ala Cys Cys Cys	2345	2350	2355
Ala Gly Cys Ala Thr Cys Gly Thr Gly Cys Thr Cys Cys Cys Cys	2360	2365	2370
Ala Ala Ala Gly Cys Cys Cys Ala Ala Gly Ala Gly Gly Thr Gly	2375	2380	2385
Gly Ala Gly Ala Gly Thr Gly Thr Cys Ala Ala Gly Gly Gly Gly	2390	2395	2400
Ala Cys Ala Ala Gly Cys Ala Ala Ala Cys Ala Gly Gly Cys Cys	2405	2410	2415
Cys Cys Thr Gly Thr Gly Cys Cys Thr Gly Thr Cys Cys Thr Thr	2420	2425	2430
Gly Gly Cys Cys Cys Cys Ala Cys Ala Cys Cys Cys Cys Gly Gly	2435	2440	2445
Ala Thr Cys Cys Gly Cys Thr Cys Cys Thr Thr Thr Ala Cys Cys	2450	2455	2460
Thr Gly Thr Thr Cys Thr Thr Cys Thr Thr Cys Thr Gly Cys Thr	2465	2470	2475

Gly Ala Gly Gly Gly Cys Ala Gly Ala Ala Thr Gly Ala Cys Cys
 2480 2485 2490
 Ala Gly Thr Gly Gly Gly Gly Ala Cys Ala Ala Gly Ala Gly Cys
 2495 2500 2505
 Cys Ala Ala Gly Gly Gly Ala Ala Gly Cys Cys Cys Ala Ala Gly
 2510 2515 2520
 Gly Cys Cys Thr Cys Ala Gly Cys Cys Ala Gly Thr Thr Cys Cys
 2525 2530 2535
 Cys Ala Ala Gly Cys Cys Cys Cys Ala Gly Thr Gly Cys Cys Ala
 2540 2545 2550
 Gly Thr Cys Ala Ala Gly Ala Gly Gly Cys Cys Thr Gly Thr Cys
 2555 2560 2565
 Ala Ala Gly Cys Cys Thr Thr Cys Cys Ala Gly Gly Thr Cys Ala
 2570 2575 2580
 Gly Ala Ala Ala Thr Gly Ala Gly Cys Cys Ala Gly Cys Ala Gly
 2585 2590 2595
 Ala Cys Ala Ala Cys Ala Cys Cys Cys Ala Thr Cys Cys Cys Ala
 2600 2605 2610
 Gly Cys Thr Cys Cys Ala Cys Gly Gly Cys Cys Ala Cys Cys Cys
 2615 2620 2625
 Cys Thr Gly Cys Cys Ala Gly Thr Cys Ala Ala Gly Ala Gly Thr
 2630 2635 2640
 Cys Cys Thr Gly Cys Thr Gly Thr Cys Cys Thr Gly Cys Ala Gly
 2645 2650 2655
 Cys Thr Gly Cys Ala Ala Cys Ala Thr Thr Cys Cys Ala Ala Ala
 2660 2665 2670
 Gly Gly Cys Ala Gly Ala Gly Ala Cys Thr Ala Cys Cys Gly Thr

2675		2680		2685
Gly Ala Cys Ala Ala Cys Ala Cys Ala Gly Ala Ala Cys Thr Cys				
2690		2695		2700
Cys Cys Cys Cys Ala Cys Cys Ala Thr Gly Gly Cys Ala Ala Gly				
2705		2710		2715
Cys Ala Cys Cys Gly Cys Cys Ala Ala Gly Ala Gly Gly Ala Gly				
2720		2725		2730
Gly Gly Gly Cys Thr Gly Cys Thr Thr Gly Gly Cys Ala Gly Gly				
2735		2740		2745
Ala Cys Thr Gly Cys Cys Ala Thr Gly Cys Ala Gly Thr Gly Ala				
2750		2755		2760
Gly Cys Thr Gly Cys Thr Gly Gly Thr Gly Ala Thr Cys Gly Gly				
2765		2770		2775
Ala Gly Cys Cys Thr Gly Gly Ala Gly Gly Ala Ala Cys Ala Gly				
2780		2785		2790
Cys Ala Cys Ala Ala Ala Gly Cys Ala Gly Ala Cys Cys Thr Gly				
2795		2800		2805
Cys Gly Cys Cys Thr Cys Thr Cys Thr Cys Ala Gly Gly Ala Thr				
2810		2815		2820
Gly Cys Cys Thr Cys Thr Cys Thr Cys Ala Gly Gly Ala Thr Gly				
2825		2830		2835
Cys Cys Thr Cys Thr Thr Gly Gly Ala Gly Gly Ala Cys Cys Thr				
2840		2845		2850
Cys Cys Thr Gly Cys Thr Ala Gly Cys Thr Cys Thr Thr Cys Thr				
2855		2860		2865
Thr Gly Cys Cys Thr Ala Gly Cys Thr Thr Cys Ala Ala Gly Thr				
2870		2875		2880

Cys	Cys	Cys	Ala	Gly	Gly	Cys	Thr	Gly	Thr	Gly	Thr	Ala	Thr	Thr
2885						2890					2895			
Thr	Thr	Thr	Thr	Thr	Thr	Cys	Ala	Gly	Gly	Ala	Ala	Ala	Cys	Gly
2900						2905					2910			
Gly	Cys	Cys	Thr	Cys	Ala	Cys	Thr	Thr	Cys	Thr	Cys	Thr	Gly	Thr
2915						2920					2925			
Gly	Gly	Thr	Cys	Cys	Ala	Ala	Gly	Ala	Ala	Gly	Thr	Gly	Thr	Gly
2930						2935					2940			
Cys	Thr	Gly	Cys	Thr	Gly	Gly	Cys	Thr	Gly	Cys	Cys	Ala	Cys	Ala
2945						2950					2955			
Cys	Thr	Gly	Thr	Gly	Cys	Gly	Gly	Cys	Ala	Gly	Ala	Thr	Gly	Cys
2960						2965					2970			
Thr	Ala	Ala	Ala	Gly	Cys	Thr	Gly	Gly	Ala	Thr	Gly	Ala	Cys	Ala
2975						2980					2985			
Ala	Ala	Cys	Gly	Cys	Ala	Cys	Gly	Cys	Cys	Ala	Thr	Ala	Cys	Ala
2990						2995					3000			
Gly	Ala	Cys	Ala	Gly	Cys	Ala	Gly	Ala	Cys	Ala	Gly	Cys	Gly	Gly
3005						3010					3015			
Cys	Ala	Cys	Thr	Gly	Gly	Gly	Thr	Cys	Thr	Cys	Ala	Gly	Ala	Ala
3020						3025					3030			
Cys	Thr	Thr	Gly	Gly	Ala	Thr	Thr	Cys	Cys	Thr	Gly	Gly	Gly	Cys
3035						3040					3045			
Cys	Thr	Thr	Cys	Thr	Thr	Cys	Cys	Ala	Gly	Thr	Cys	Gly	Cys	Cys
3050						3055					3060			
Gly	Thr	Thr	Thr	Thr	Ala	Ala	Ala	Gly	Ala	Ala	Ala	Gly	Gly	Ala
3065						3070					3075			
Ala	Cys	Thr	Ala	Ala	Cys	Gly	Gly	Ala	Gly	Cys	Thr	Gly	Cys	Thr
3080						3085					3090			

Cys Ala Thr Cys Cys Gly Ala Gly Gly Gly Thr Gly Ala Ala Gly
3095 3100 3105

Ala Thr Ala Thr Ala Ala Ala Thr Ala Ala Thr Ala Ala Thr Ala
3110 3115 3120

Thr Thr Ala Thr Thr Ala Ala Thr Ala Ala Thr Ala Ala Thr Ala
3125 3130 3135

Ala Cys Ala Gly Thr Cys Ala Gly Gly Thr Gly Cys Cys Ala Thr
3140 3145 3150

Gly Thr Gly Cys Thr Gly Thr Gly Thr Thr Ala Ala Gly Thr Gly
3155 3160 3165

Cys Thr Thr Thr Ala Thr Gly Ala Ala Cys Ala Thr Thr Thr Gly
3170 3175 3180

Thr Cys Gly Gly Gly Cys Thr Gly Gly Cys Cys Thr Cys Cys Ala
3185 3190 3195

Gly Thr Gly Cys Thr Gly Ala Gly Gly Thr Gly Cys Cys Ala Gly
3200 3205 3210

Thr Cys Ala Gly Cys Cys Thr Gly Ala Ala Cys Cys Cys Thr Ala
3215 3220 3225

Thr Gly Cys Cys Cys Ala Gly Gly Cys Cys Cys Ala Cys Thr Ala
3230 3235 3240

Ala Thr Cys Cys Cys Ala Ala Ala Thr Gly Gly Thr Gly Gly Gly
3245 3250 3255

Thr Cys Cys Thr Gly Ala Gly Ala Thr Gly Thr Thr Thr Thr Thr
3260 3265 3270

Ala Ala Ala Ala Ala Gly Cys Ala Thr Thr Ala Ala Ala Gly Ala
3275 3280 3285

Ala Ala Ala Cys Cys Ala Thr Cys Gly Gly Thr Cys Thr Cys Thr
3290 3295 3300

Thr Ala Gly Ala Gly Cys Thr Ala Ala Cys Cys Gly Gly Cys Cys
 3305 3310 3315

Gly Gly Gly Cys Thr Cys Thr Ala Cys Thr Gly Cys Ala Gly Gly
 3320 3325 3330

Gly Ala Cys Cys Cys Gly Ala Ala Cys Ala Gly Thr Cys Thr Gly
 3335 3340 3345

Cys Ala Thr Gly Gly Cys Thr Ala Ala Gly Thr Gly Gly Cys Ala
 3350 3355 3360

Cys Ala Ala Gly Gly Ala Gly Cys Cys Thr Gly Gly Cys Cys Cys
 3365 3370 3375

Thr Gly Thr Cys Cys Ala Gly Cys Thr Thr Cys Ala Gly Ala Gly
 3380 3385 3390

Ala Thr Cys Cys Ala Ala Gly Cys Thr Gly Cys Thr Thr Thr Thr
 3395 3400 3405

Thr Gly Cys Thr Gly Gly Gly Gly Thr Thr Cys Thr Gly Thr Cys
 3410 3415 3420

Ala Cys Ala Gly Gly Cys Cys Thr Gly Ala Thr Cys Cys Thr Cys
 3425 3430 3435

Thr Thr Gly Gly Thr Thr Thr Thr Thr Ala Thr Gly Gly Gly Gly
 3440 3445 3450

Thr Thr Thr Cys Ala Ala Gly Thr Cys Thr Gly Cys Cys Ala Gly
 3455 3460 3465

Ala Gly Thr Cys Ala Gly Ala Ala Ala Thr Cys Ala Gly Cys Thr
 3470 3475 3480

Cys Thr Ala Ala Cys Thr Cys Gly Cys Cys Ala Gly Thr Gly Ala
 3485 3490 3495

Ala Gly Ala Gly Ala Thr Cys Thr Gly Gly Cys Cys Thr Thr Ala

3500		3505		3510
Ala Cys Thr Thr Ala Ala Gly Cys Cys Ala Gly Cys Cys Ala Cys				
3515		3520		3525
Gly Thr Cys Ala Gly Gly Cys Cys Cys Cys Thr Gly Cys Thr Gly				
3530		3535		3540
Ala Gly Cys Cys Thr Ala Thr Gly Gly Ala Cys Cys Ala Ala Thr				
3545		3550		3555
Ala Ala Ala Thr Ala Cys Thr Cys Cys Cys Cys Gly Thr Gly Cys				
3560		3565		3570
Cys Ala Cys Thr Gly Gly Ala Gly Gly Thr Gly Gly Gly Cys Ala				
3575		3580		3585
Gly Cys Thr Ala Thr Cys Ala Cys Cys Ala Thr Ala Cys Cys Cys				
3590		3595		3600
Thr Gly Ala Gly Thr Thr Gly Gly Gly Cys Cys Ala Ala Gly Cys				
3605		3610		3615
Cys Cys Ala Cys Cys Cys Cys Ala Cys Cys Cys Cys Thr Ala Cys				
3620		3625		3630
Cys Cys Thr Gly Cys Ala Ala Cys Ala Thr Thr Thr Cys Thr Gly				
3635		3640		3645
Ala Thr Gly Thr Trp Cys Thr Gly Ala Gly Gly Ala Ala Gly Ala				
3650		3655		3660
Gly Thr Cys Thr Cys Cys Ala Cys Cys Ala Thr Ala Gly Thr Cys				
3665		3670		3675
Cys Cys Cys Ala Ala Gly Gly Gly Cys Thr Gly Ala Gly Thr Thr				
3680		3685		3690
Cys Thr Cys Cys Ala Gly Cys Cys Thr Gly Cys Thr Ala Thr Cys				
3695		3700		3705

Ala Gly	Gly Gly	Ala Ala	Gly	Gly Thr	Gly Ala	Gly	Cys Ala	Thr
3710			3715			3720		
Thr Gly	Gly Thr	Cys Cys	Cys	Ala Gly	Gly Cys	Thr	Cys Thr	Cys
3725			3730			3735		
Ala Ala	Ala Ala	Thr Ala	Gly	Thr Gly	Cys Ala	Gly	Cys Cys	Thr
3740			3745			3750		
Cys Thr	Thr Cys	Thr Thr	Cys	Cys Cys	Ala Ala	Gly	Cys Thr	Cys
3755			3760			3765		
Thr Gly	Gly Gly	Gly Thr	Gly	Cys Ala	Cys Cys	Cys	Thr Gly	Thr
3770			3775			3780		
Gly Thr	Cys Cys	Thr Thr	Gly	Gly Thr	Thr Ala	Cys	Cys Ala	Gly
3785			3790			3795		
Gly Ala	Gly Ala	Cys Thr	Ala	Gly Gly	Gly Thr	Thr	Gly Thr	Gly
3800			3805			3810		
Ala Thr	Ala Thr	Cys Thr	Thr	Thr Thr	Cys Thr	Thr	Gly Thr	Cys
3815			3820			3825		
Thr Thr	Gly Cys	Thr Thr	Thr	Thr Thr	Gly Ala	Thr	Ala Thr	Ala
3830			3835			3840		
Thr Cys	Ala Gly	Gly Ala	Thr	Thr Ala	Ala Thr	Gly	Thr Ala	Gly
3845			3850			3855		
Gly Ala	Ala Ala	Cys Cys	Ala	Gly Ala	Cys Cys	Thr	Ala Gly	Ala
3860			3865			3870		
Thr Thr	Ala Thr	Thr Cys	Ala	Gly Gly	Ala Gly	Ala	Gly Thr	Ala
3875			3880			3885		
Gly Gly	Thr Ala	Thr Ala	Thr	Cys Cys	Cys Cys	Thr	Gly Thr	Gly
3890			3895			3900		
Thr Thr	Thr Cys	Cys Cys	Ala	Gly Thr	Cys Thr	Gly	Ala Gly	Thr
3905			3910			3915		

Gly Ala Cys Cys Ala Ala Thr Ala Ala Ala Ala Thr Thr Gly Thr
 3920 3925 3930

Gly Cys Cys Thr Thr Thr Cys Thr Ala
 3935 3940

<210> 3
 <211> 4147
 <212> PRT
 <213> Homo sapiens

<400> 3

Cys Gly Cys Cys Cys Ala Cys Thr Ala Ala Thr Cys Cys Thr Thr Gly
 1 5 10 15

Ala Thr Gly Thr Thr Cys Ala Cys Cys Thr Thr Gly Thr Cys Cys Cys
 20 25 30

Cys Thr Gly Cys Cys Cys Cys Cys Ala Gly Ala Gly Ala Ala Gly Thr
 35 40 45

Cys Ala Thr Cys Cys Gly Gly Ala Cys Cys Cys Thr Cys Cys Cys Ala
 50 55 60

Thr Cys Cys Cys Thr Gly Gly Ala Gly Thr Cys Thr Cys Thr Gly Cys
 65 70 75 80

Ala Gly Ala Gly Gly Thr Thr Ala Thr Thr Thr Gly Ala Cys Cys Ala
 85 90 95

Gly Cys Ala Gly Cys Thr Cys Thr Cys Cys Cys Cys Gly Gly Gly Cys
 100 105 110

Cys Thr Cys Cys Gly Thr Cys Cys Ala Cys Gly Thr Cys Cys Thr Cys
 115 120 125

Ala Gly Gly Thr Thr Cys Cys Thr Gly Gly Thr Gly Ala Gly Gly Cys
 130 135 140

Cys Ala Ala Thr Cys Cys Cys Ala Thr Cys Ala Ala Cys Ala Thr Gly
 145 150 155 160

Gly Thr Gly Thr Cys Cys Ala Ala Gly Cys Thr Cys Ala Gly Cys Cys
 165 170 175

Ala Ala Cys Thr Gly Ala Cys Ala Ala Gly Cys Cys Thr Gly Thr Thr
 180 185 190

Gly Thr Cys Ala Thr Cys Cys Ala Thr Thr Gly Ala Ala Gly Ala Cys
 195 200 205

Ala Ala Gly Gly Thr Cys Ala Ala Gly Gly Cys Cys Thr Thr Gly Cys
 210 215 220

Thr Gly Cys Ala Cys Gly Ala Gly Gly Gly Thr Cys Cys Thr Gly Ala
 225 230 235 240

Gly Thr Cys Thr Cys Cys Gly Cys Ala Cys Cys Gly Gly Cys Cys Cys
 245 250 255

Thr Cys Cys Cys Thr Thr Ala Thr Cys Cys Cys Thr Cys Cys Ala Gly
 260 265 270

Thr Cys Ala Cys Cys Thr Thr Thr Gly Ala Gly Gly Thr Gly Ala Ala
 275 280 285

Gly Gly Cys Ala Gly Ala Gly Thr Cys Thr Cys Thr Gly Gly Gly Gly
 290 295 300

Ala Thr Thr Cys Cys Thr Cys Ala Gly Ala Ala Ala Ala Thr Gly Cys
 305 310 315 320

Ala Gly Cys Thr Cys Ala Ala Ala Gly Thr Cys Gly Ala Cys Gly Thr
 325 330 335

Thr Gly Ala Gly Thr Cys Thr Gly Gly Gly Ala Ala Ala Cys Thr Gly
 340 345 350

Ala Thr Cys Ala Thr Thr Ala Ala Gly Ala Ala Gly Thr Cys Cys Ala
 355 360 365

Ala Gly Gly Ala Thr Gly Gly Thr Thr Cys Thr Gly Ala Gly Gly Ala
 370 375 380

Cys Ala Ala Gly Thr Thr Cys Thr Ala Cys Ala Gly Cys Cys Ala Cys
385 390 395 400

Ala Ala Gly Ala Ala Ala Ala Thr Cys Cys Thr Gly Cys Ala Gly Cys
405 410 415

Thr Cys Ala Thr Thr Ala Ala Gly Thr Cys Ala Cys Ala Gly Ala Ala
420 425 430

Ala Thr Thr Thr Cys Thr Gly Ala Ala Thr Ala Ala Gly Thr Thr Gly
435 440 445

Gly Thr Gly Ala Thr Cys Thr Thr Gly Gly Thr Gly Gly Ala Ala Ala
450 455 460

Cys Ala Gly Ala Gly Ala Ala Gly Gly Ala Gly Ala Ala Gly Ala Thr
465 470 475 480

Cys Cys Thr Gly Cys Gly Gly Ala Ala Gly Gly Ala Ala Thr Ala Thr
485 490 495

Gly Thr Thr Thr Thr Thr Gly Cys Thr Gly Ala Cys Thr Cys Cys Ala
500 505 510

Ala Ala Ala Ala Gly Ala Gly Ala Gly Ala Ala Gly Gly Cys Thr Thr
515 520 525

Cys Thr Gly Cys Cys Ala Gly Cys Thr Cys Cys Thr Gly Cys Ala Gly
530 535 540

Cys Ala Gly Ala Thr Gly Ala Ala Gly Ala Ala Cys Ala Ala Gly Cys
545 550 555 560

Ala Cys Thr Cys Ala Gly Ala Gly Cys Ala Gly Cys Cys Gly Gly Ala
565 570 575

Gly Cys Cys Cys Gly Ala Cys Ala Thr Gly Ala Thr Cys Ala Cys Cys
580 585 590

Ala Thr Cys Thr Thr Cys Ala Thr Cys Gly Gly Cys Ala Cys Cys Thr

595 600 605
 Gly Gly Ala Ala Cys Ala Thr Gly Gly Gly Thr Ala Ala Cys Gly Cys
 610 615 620
 Cys Cys Cys Cys Cys Cys Thr Cys Cys Cys Ala Ala Gly Ala Ala Gly
 625 630 635 640
 Ala Thr Cys Ala Cys Gly Thr Cys Cys Thr Gly Gly Thr Thr Thr Cys
 645 650 655
 Thr Cys Thr Cys Cys Ala Ala Gly Gly Gly Gly Cys Ala Gly Gly Gly
 660 665 670
 Ala Ala Ala Gly Ala Cys Gly Cys Gly Gly Gly Ala Cys Gly Ala Cys
 675 680 685
 Thr Cys Thr Gly Cys Gly Gly Ala Cys Thr Ala Cys Ala Thr Cys Cys
 690 695 700
 Cys Cys Cys Ala Thr Gly Ala Cys Ala Thr Thr Thr Ala Cys Gly Thr
 705 710 715 720
 Gly Ala Thr Cys Gly Gly Cys Ala Cys Cys Cys Ala Ala Gly Ala Gly
 725 730 735
 Gly Ala Cys Cys Cys Cys Cys Thr Gly Ala Gly Thr Gly Ala Gly Ala
 740 745 750
 Ala Gly Gly Ala Gly Thr Gly Gly Cys Thr Gly Gly Ala Gly Ala Thr
 755 760 765
 Cys Cys Thr Cys Ala Ala Ala Cys Ala Cys Thr Cys Cys Cys Thr Gly
 770 775 780
 Cys Ala Ala Gly Ala Ala Ala Thr Cys Ala Cys Cys Ala Gly Thr Gly
 785 790 795 800
 Thr Gly Ala Cys Thr Thr Thr Thr Ala Ala Ala Cys Ala Gly Thr
 805 810 815

Cys Gly Cys Cys Ala Thr Cys Cys Ala Cys Ala Cys Gly Cys Thr Cys
 820 825 830

Thr Gly Gly Ala Ala Cys Ala Thr Cys Cys Gly Cys Ala Thr Cys Gly
 835 840 845

Thr Gly Gly Thr Gly Cys Thr Gly Gly Cys Cys Ala Ala Gly Cys Cys
 850 855 860

Thr Gly Ala Gly Cys Ala Cys Gly Ala Gly Ala Ala Cys Cys Gly Gly
 865 870 875 880

Ala Thr Cys Ala Gly Cys Cys Ala Cys Ala Thr Cys Thr Gly Thr Ala
 885 890 895

Cys Thr Gly Ala Cys Ala Ala Cys Gly Thr Gly Ala Ala Gly Ala Cys
 900 905 910

Ala Gly Gly Cys Ala Thr Thr Gly Cys Ala Ala Ala Cys Ala Cys Ala
 915 920 925

Cys Thr Gly Gly Gly Gly Ala Ala Cys Ala Ala Gly Gly Gly Ala Gly
 930 935 940

Cys Cys Gly Thr Gly Gly Gly Gly Gly Thr Gly Thr Cys Gly Thr Thr
 945 950 955 960

Cys Ala Thr Gly Thr Thr Cys Ala Ala Thr Gly Gly Ala Ala Cys Cys
 965 970 975

Thr Cys Cys Thr Thr Ala Gly Gly Gly Thr Thr Cys Gly Thr Cys Ala
 980 985 990

Ala Cys Ala Gly Cys Cys Ala Cys Thr Thr Gly Ala Cys Thr Thr Cys
 995 1000 1005

Ala Gly Gly Ala Ala Gly Thr Gly Ala Ala Ala Ala Gly Ala Ala
 1010 1015 1020

Ala Cys Thr Cys Ala Gly Gly Cys Gly Ala Ala Ala Cys Cys Ala
 1025 1030 1035

Ala Ala	Ala Cys Thr Ala	Thr	Ala Thr Gly Ala	Ala	Cys Ala Thr
1040		1045		1050	
Thr Cys	Thr Cys Cys Gly	Gly	Thr Thr Cys Cys	Thr	Gly Gly Cys
1055		1060		1065	
Cys Cys	Thr Gly Gly Gly	Cys	Gly Ala Cys Ala	Ala	Gly Ala Ala
1070		1075		1080	
Gly Cys	Thr Gly Ala Gly	Thr	Cys Cys Cys Thr	Thr	Thr Ala Ala
1085		1090		1095	
Cys Ala	Thr Cys Ala Cys	Thr	Cys Ala Cys Cys	Gly	Cys Thr Thr
1100		1105		1110	
Cys Ala	Cys Gly Cys Ala	Cys	Cys Thr Cys Thr	Thr	Cys Thr Gly
1115		1120		1125	
Gly Thr	Thr Thr Gly Gly	Gly	Gly Ala Thr Cys	Thr	Thr Ala Ala
1130		1135		1140	
Cys Thr	Ala Cys Cys Gly	Thr	Gly Thr Gly Gly	Ala	Thr Cys Thr
1145		1150		1155	
Gly Cys	Cys Thr Ala Cys	Cys	Thr Gly Gly Gly	Ala	Gly Gly Cys
1160		1165		1170	
Ala Gly	Ala Ala Ala Cys	Cys	Ala Thr Cys Ala	Thr	Cys Cys Ala
1175		1180		1185	
Gly Ala	Ala Ala Ala Thr	Cys	Ala Ala Gly Cys	Ala	Gly Cys Ala
1190		1195		1200	
Gly Cys	Ala Gly Thr Ala	Cys	Gly Cys Ala Gly	Ala	Cys Cys Thr
1205		1210		1215	
Cys Cys	Thr Gly Thr Cys	Cys	Cys Ala Cys Gly	Ala	Cys Cys Ala
1220		1225		1230	
Gly Cys	Thr Gly Cys Thr	Cys	Ala Cys Ala Gly	Ala	Gly Ala Gly
1235		1240		1245	

Gly Ala Gly Gly Gly Ala Gly Cys Ala Gly Ala Ala Gly Gly Thr
 1250 1255 1260
 Cys Thr Thr Cys Cys Thr Ala Cys Ala Cys Thr Thr Cys Gly Ala
 1265 1270 1275
 Gly Gly Ala Gly Gly Ala Ala Gly Ala Ala Ala Thr Cys Ala Cys
 1280 1285 1290
 Gly Thr Thr Thr Gly Cys Cys Cys Cys Ala Ala Cys Cys Thr Ala
 1295 1300 1305
 Cys Cys Gly Thr Thr Thr Thr Gly Ala Gly Ala Gly Ala Cys Thr
 1310 1315 1320
 Gly Ala Cys Thr Cys Gly Gly Gly Ala Cys Ala Ala Ala Thr Ala
 1325 1330 1335
 Cys Gly Cys Cys Thr Ala Cys Ala Cys Cys Ala Ala Gly Cys Ala
 1340 1345 1350
 Gly Ala Ala Ala Gly Cys Gly Ala Cys Ala Gly Gly Gly Ala Thr
 1355 1360 1365
 Gly Ala Ala Gly Thr Ala Cys Ala Ala Cys Thr Thr Gly Cys Cys
 1370 1375 1380
 Thr Thr Cys Cys Thr Gly Gly Thr Gly Thr Gly Ala Cys Cys Gly
 1385 1390 1395
 Ala Gly Thr Cys Cys Thr Cys Thr Gly Gly Ala Ala Gly Thr Cys
 1400 1405 1410
 Thr Thr Ala Thr Cys Cys Cys Cys Thr Gly Gly Thr Gly Cys Ala
 1415 1420 1425
 Cys Gly Thr Gly Gly Thr Gly Thr Gly Thr Cys Ala Gly Thr Cys
 1430 1435 1440
 Thr Thr Ala Thr Gly Gly Cys Ala Gly Thr Ala Cys Cys Ala Gly

1445		1450		1455
Cys Gly Ala Cys Ala Thr	Cys Ala Thr Gly Ala	Cys Gly Ala Gly		
1460	1465	1470		
Thr Gly Ala Cys Cys Ala	Cys Ala Gly Cys Cys	Cys Thr Gly Thr		
1475	1480	1485		
Cys Thr Thr Thr Gly Cys	Cys Ala Cys Ala Thr	Thr Thr Gly Ala		
1490	1495	1500		
Gly Gly Cys Ala Gly Gly	Ala Gly Thr Cys Ala	Cys Thr Thr Cys		
1505	1510	1515		
Cys Cys Ala Gly Thr Thr	Thr Gly Thr Cys Thr	Cys Cys Ala Ala		
1520	1525	1530		
Gly Ala Ala Cys Gly Gly	Thr Cys Cys Cys Gly	Gly Gly Ala Cys		
1535	1540	1545		
Thr Gly Thr Thr Gly Ala	Cys Ala Gly Cys Cys	Ala Ala Gly Gly		
1550	1555	1560		
Ala Cys Ala Gly Ala Thr	Thr Gly Ala Gly Thr	Thr Thr Cys Thr		
1565	1570	1575		
Cys Ala Gly Gly Thr Gly	Cys Thr Ala Thr Gly	Cys Cys Ala Cys		
1580	1585	1590		
Ala Thr Thr Gly Ala Ala	Gly Ala Cys Cys Ala	Ala Gly Thr Cys		
1595	1600	1605		
Cys Cys Ala Gly Ala Cys	Cys Ala Ala Ala Thr	Thr Cys Thr Ala		
1610	1615	1620		
Cys Cys Thr Gly Gly Ala	Gly Thr Thr Cys Cys	Ala Cys Thr Cys		
1625	1630	1635		
Gly Ala Gly Cys Thr Gly	Cys Thr Thr Gly Gly	Ala Gly Ala Gly		
1640	1645	1650		

Thr	Thr	Thr	Thr	Gly	Thr	Cys	Ala	Ala	Gly	Ala	Gly	Thr	Cys	Ala
1655						1660					1665			
Gly	Gly	Ala	Ala	Gly	Gly	Ala	Gly	Ala	Ala	Ala	Ala	Thr	Gly	Ala
1670						1675					1680			
Ala	Gly	Ala	Ala	Gly	Gly	Ala	Ala	Gly	Thr	Gly	Ala	Gly	Gly	Gly
1685						1690					1695			
Gly	Gly	Ala	Gly	Cys	Thr	Gly	Gly	Thr	Gly	Gly	Thr	Gly	Ala	Ala
1700						1705					1710			
Gly	Thr	Thr	Thr	Gly	Gly	Thr	Gly	Ala	Gly	Ala	Cys	Thr	Cys	Thr
1715						1720					1725			
Thr	Cys	Cys	Ala	Ala	Ala	Gly	Cys	Thr	Gly	Ala	Ala	Gly	Cys	Cys
1730						1735					1740			
Cys	Ala	Thr	Thr	Ala	Thr	Cys	Thr	Cys	Thr	Gly	Ala	Cys	Cys	Cys
1745						1750					1755			
Thr	Gly	Ala	Gly	Thr	Ala	Cys	Cys	Thr	Gly	Cys	Thr	Ala	Gly	Ala
1760						1765					1770			
Cys	Cys	Ala	Gly	Cys	Ala	Cys	Ala	Thr	Cys	Cys	Thr	Cys	Ala	Thr
1775						1780					1785			
Cys	Ala	Gly	Cys	Ala	Thr	Cys	Ala	Ala	Gly	Thr	Cys	Cys	Thr	Cys
1790						1795					1800			
Thr	Gly	Ala	Cys	Ala	Gly	Cys	Gly	Ala	Cys	Gly	Ala	Ala	Thr	Cys
1805						1810					1815			
Cys	Thr	Ala	Thr	Gly	Gly	Cys	Gly	Ala	Gly	Gly	Gly	Cys	Thr	Gly
1820						1825					1830			
Cys	Ala	Thr	Thr	Gly	Cys	Cys	Cys	Thr	Thr	Cys	Gly	Gly	Thr	Thr
1835						1840					1845			
Ala	Gly	Ala	Gly	Gly	Cys	Cys	Ala	Cys	Ala	Gly	Ala	Ala	Ala	Cys
1850						1855					1860			

Gly Cys Ala Gly Cys Thr Gly Cys Cys Cys Ala Thr Cys Thr Ala
1865 1870 1875

Cys Ala Cys Gly Cys Cys Thr Cys Thr Cys Ala Cys Cys Cys Ala
1880 1885 1890

Cys Cys Ala Thr Gly Gly Gly Gly Ala Gly Thr Thr Gly Ala Cys
1895 1900 1905

Ala Gly Gly Cys Cys Ala Cys Thr Thr Cys Cys Ala Gly Gly Gly
1910 1915 1920

Gly Gly Ala Gly Ala Thr Cys Ala Ala Gly Cys Thr Gly Cys Ala
1925 1930 1935

Gly Ala Cys Cys Thr Cys Thr Cys Ala Gly Gly Gly Cys Ala Ala
1940 1945 1950

Gly Ala Cys Gly Ala Gly Gly Gly Ala Gly Ala Ala Gly Cys Thr
1955 1960 1965

Cys Thr Ala Thr Gly Ala Cys Thr Thr Thr Gly Thr Gly Ala Ala
1970 1975 1980

Gly Ala Cys Gly Gly Ala Gly Cys Gly Thr Gly Ala Thr Gly Ala
1985 1990 1995

Ala Thr Cys Cys Ala Gly Thr Gly Gly Gly Cys Cys Ala Ala Ala
2000 2005 2010

Gly Ala Cys Cys Cys Thr Gly Ala Ala Gly Ala Gly Cys Cys Thr
2015 2020 2025

Cys Ala Cys Cys Ala Gly Cys Cys Ala Cys Gly Ala Cys Cys Cys
2030 2035 2040

Cys Ala Thr Gly Ala Ala Gly Cys Ala Gly Thr Gly Gly Gly Ala
2045 2050 2055

Ala Gly Thr Cys Ala Cys Thr Ala Gly Cys Ala Gly Gly Gly Cys
2060 2065 2070

Cys	Cys	Cys	Thr	Cys	Cys	Gly	Thr	Gly	Cys	Ala	Gly	Thr	Gly	Gly
2075						2080					2085			
Cys	Thr	Cys	Cys	Ala	Gly	Cys	Ala	Thr	Cys	Ala	Cys	Thr	Gly	Ala
2090						2095					2100			
Ala	Ala	Thr	Cys	Ala	Thr	Cys	Ala	Ala	Cys	Cys	Cys	Cys	Ala	Ala
2105						2110					2115			
Cys	Thr	Ala	Cys	Ala	Thr	Gly	Gly	Gly	Ala	Gly	Thr	Gly	Gly	Gly
2120						2125					2130			
Gly	Cys	Cys	Cys	Thr	Thr	Thr	Gly	Gly	Gly	Cys	Cys	Ala	Cys	Cys
2135						2140					2145			
Ala	Ala	Thr	Gly	Cys	Cys	Cys	Cys	Thr	Gly	Cys	Ala	Cys	Gly	Thr
2150						2155					2160			
Gly	Ala	Ala	Gly	Cys	Ala	Gly	Ala	Cys	Cys	Thr	Thr	Gly	Thr	Cys
2165						2170					2175			
Cys	Cys	Cys	Thr	Gly	Ala	Cys	Cys	Ala	Gly	Cys	Ala	Gly	Cys	Cys
2180						2185					2190			
Cys	Ala	Cys	Ala	Gly	Cys	Cys	Thr	Gly	Gly	Ala	Gly	Cys	Thr	Ala
2195						2200					2205			
Cys	Gly	Ala	Cys	Cys	Ala	Gly	Cys	Cys	Gly	Cys	Cys	Cys	Ala	Ala
2210						2215					2220			
Gly	Gly	Ala	Cys	Thr	Cys	Cys	Cys	Cys	Gly	Cys	Thr	Gly	Gly	Gly
2225						2230					2235			
Gly	Cys	Cys	Cys	Thr	Gly	Cys	Ala	Gly	Gly	Gly	Gly	Ala	Gly	Ala
2240						2245					2250			
Ala	Ala	Gly	Thr	Cys	Cys	Thr	Cys	Cys	Gly	Ala	Cys	Ala	Cys	Cys
2255						2260					2265			
Thr	Cys	Cys	Cys	Gly	Gly	Cys	Cys	Ala	Gly	Cys	Cys	Gly	Cys	Cys

2270		2275		2280
Cys Ala Thr Ala Thr Cys Ala Cys Cys Cys Ala Ala Gly Ala Ala				
2285		2290		2295
Gly Thr Thr Thr Thr Thr Ala Cys Cys Cys Thr Cys Ala Ala Cys				
2300		2305		2310
Ala Gly Cys Ala Ala Ala Cys Cys Gly Gly Gly Gly Thr Cys Thr				
2315		2320		2325
Cys Cys Cys Thr Cys Cys Cys Ala Gly Gly Ala Cys Ala Cys Ala				
2330		2335		2340
Gly Gly Ala Gly Thr Cys Ala Ala Gly Gly Cys Cys Cys Ala Gly				
2345		2350		2355
Thr Gly Ala Cys Cys Thr Gly Gly Gly Gly Ala Ala Gly Ala Ala				
2360		2365		2370
Cys Gly Cys Ala Gly Gly Gly Gly Ala Cys Ala Cys Gly Cys Thr				
2375		2380		2385
Gly Cys Cys Thr Cys Ala Gly Gly Ala Gly Gly Ala Cys Cys Thr				
2390		2395		2400
Gly Cys Cys Gly Cys Thr Gly Ala Cys Gly Ala Ala Gly Cys Cys				
2405		2410		2415
Cys Gly Ala Gly Ala Thr Gly Thr Thr Thr Gly Ala Gly Ala Ala				
2420		2425		2430
Cys Cys Cys Cys Cys Thr Gly Thr Ala Thr Gly Gly Gly Thr Cys				
2435		2440		2445
Cys Cys Thr Gly Ala Gly Thr Thr Cys Cys Thr Thr Cys Cys Cys				
2450		2455		2460
Thr Ala Ala Gly Cys Cys Thr Gly Cys Thr Cys Cys Cys Ala Gly				
2465		2470		2475

Gly	Ala	Ala	Gly	Gly	Ala	Cys	Cys	Ala	Gly	Gly	Ala	Ala	Thr	Cys
2480						2485					2490			
Cys	Cys	Cys	Cys	Ala	Ala	Ala	Ala	Thr	Gly	Cys	Cys	Gly	Cys	Gly
2495						2500					2505			
Gly	Ala	Ala	Gly	Gly	Ala	Ala	Cys	Cys	Cys	Cys	Cys	Gly	Cys	Cys
2510						2515					2520			
Cys	Thr	Gly	Cys	Cys	Cys	Gly	Gly	Ala	Ala	Cys	Cys	Cys	Gly	Gly
2525						2530					2535			
Cys	Ala	Thr	Cys	Thr	Thr	Gly	Thr	Cys	Gly	Cys	Cys	Cys	Ala	Gly
2540						2545					2550			
Cys	Ala	Thr	Cys	Gly	Thr	Gly	Cys	Thr	Cys	Ala	Cys	Cys	Ala	Ala
2555						2560					2565			
Ala	Gly	Cys	Cys	Cys	Ala	Gly	Gly	Ala	Gly	Gly	Cys	Thr	Gly	Ala
2570						2575					2580			
Thr	Cys	Gly	Cys	Gly	Gly	Cys	Gly	Ala	Gly	Gly	Gly	Gly	Cys	Cys
2585						2590					2595			
Cys	Gly	Gly	Cys	Ala	Ala	Gly	Cys	Ala	Gly	Gly	Thr	Gly	Cys	Cys
2600						2605					2610			
Cys	Gly	Cys	Gly	Cys	Cys	Cys	Cys	Gly	Gly	Cys	Thr	Gly	Cys	Gly
2615						2620					2625			
Cys	Thr	Cys	Cys	Thr	Thr	Cys	Ala	Cys	Gly	Thr	Gly	Cys	Thr	Cys
2630						2635					2640			
Ala	Thr	Cys	Cys	Thr	Cys	Thr	Gly	Cys	Cys	Gly	Ala	Gly	Gly	Gly
2645						2650					2655			
Cys	Ala	Gly	Gly	Gly	Cys	Gly	Gly	Cys	Cys	Gly	Gly	Cys	Gly	Gly
2660						2665					2670			
Gly	Gly	Ala	Cys	Ala	Ala	Gly	Ala	Gly	Cys	Cys	Ala	Ala	Gly	Gly
2675						2680					2685			

Gly	Ala	Ala	Gly	Cys	Cys	Cys	Ala	Ala	Gly	Ala	Cys	Cys	Cys	Cys
2690						2695					2700			
Gly	Gly	Thr	Cys	Ala	Gly	Cys	Thr	Cys	Cys	Cys	Ala	Gly	Gly	Cys
2705						2710					2715			
Cys	Cys	Cys	Gly	Gly	Thr	Gly	Cys	Cys	Gly	Gly	Cys	Cys	Ala	Ala
2720						2725					2730			
Gly	Ala	Gly	Gly	Cys	Cys	Cys	Ala	Thr	Cys	Ala	Ala	Gly	Cys	Cys
2735						2740					2745			
Thr	Thr	Cys	Cys	Ala	Gly	Ala	Thr	Cys	Gly	Gly	Ala	Ala	Ala	Thr
2750						2755					2760			
Cys	Ala	Ala	Cys	Cys	Ala	Gly	Cys	Ala	Gly	Ala	Cys	Cys	Cys	Cys
2765						2770					2775			
Gly	Cys	Cys	Cys	Ala	Cys	Cys	Cys	Cys	Gly	Ala	Cys	Gly	Cys	Cys
2780						2785					2790			
Gly	Cys	Gly	Gly	Cys	Cys	Gly	Cys	Cys	Gly	Cys	Thr	Gly	Cys	Cys
2795						2800					2805			
Ala	Gly	Thr	Cys	Ala	Ala	Gly	Ala	Gly	Cys	Cys	Cys	Gly	Gly	Cys
2810						2815					2820			
Gly	Gly	Thr	Gly	Cys	Thr	Gly	Cys	Ala	Cys	Cys	Thr	Cys	Cys	Ala
2825						2830					2835			
Gly	Cys	Ala	Cys	Thr	Cys	Cys	Ala	Ala	Gly	Gly	Gly	Cys	Cys	Gly
2840						2845					2850			
Cys	Gly	Ala	Cys	Thr	Ala	Cys	Cys	Gly	Cys	Gly	Ala	Cys	Ala	Ala
2855						2860					2865			
Cys	Ala	Cys	Cys	Gly	Ala	Gly	Cys	Thr	Cys	Cys	Cys	Gly	Cys	Ala
2870						2875					2880			
Thr	Cys	Ala	Cys	Gly	Gly	Cys	Ala	Ala	Gly	Cys	Ala	Cys	Cys	Gly
2885						2890					2895			

Gly Cys Cys Gly Gly Ala Gly Gly Ala Gly Gly Gly Gly Cys Cys
 2900 2905 2910

Ala Cys Cys Ala Gly Gly Gly Cys Cys Thr Cys Thr Ala Gly Gly
 2915 2920 2925

Cys Ala Gly Gly Ala Cys Thr Gly Cys Cys Ala Thr Gly Cys Ala
 2930 2935 2940

Gly Thr Gly Ala Ala Gly Cys Cys Cys Thr Cys Ala Gly Thr Gly
 2945 2950 2955

Ala Gly Cys Thr Gly Cys Cys Ala Cys Thr Gly Ala Gly Thr Cys
 2960 2965 2970

Gly Gly Gly Ala Gly Cys Cys Cys Ala Gly Ala Gly Gly Ala Ala
 2975 2980 2985

Cys Gly Gly Cys Gly Thr Gly Ala Ala Gly Cys Cys Ala Cys Thr
 2990 2995 3000

Gly Gly Ala Cys Cys Cys Thr Cys Thr Cys Cys Cys Gly Gly Gly
 3005 3010 3015

Ala Cys Cys Thr Cys Cys Thr Gly Cys Thr Gly Gly Cys Thr Cys
 3020 3025 3030

Cys Thr Cys Cys Thr Gly Cys Cys Cys Ala Gly Cys Thr Thr Cys
 3035 3040 3045

Cys Thr Ala Thr Gly Cys Ala Ala Gly Gly Cys Thr Thr Thr Gly
 3050 3055 3060

Thr Gly Thr Thr Thr Thr Cys Ala Gly Gly Ala Ala Ala Gly Gly
 3065 3070 3075

Gly Cys Cys Thr Ala Gly Cys Thr Thr Cys Thr Gly Thr Gly Thr
 3080 3085 3090

Gly Gly Cys Cys Cys Ala Cys Ala Gly Ala Gly Thr Thr Cys Ala

3095		3100		3105
Cys Thr Gly Cys Cys Thr Gly Thr Gly Ala Gly Ala Cys Thr Thr				
3110		3115		3120
Ala Gly Cys Ala Cys Cys Ala Ala Gly Thr Gly Cys Thr Gly Ala				
3125		3130		3135
Gly Gly Cys Thr Gly Gly Ala Ala Gly Ala Ala Ala Ala Ala Cys				
3140		3145		3150
Gly Cys Ala Cys Ala Cys Cys Ala Gly Ala Cys Gly Gly Gly Cys				
3155		3160		3165
Ala Ala Cys Ala Ala Ala Cys Ala Gly Thr Cys Thr Gly Gly Gly				
3170		3175		3180
Thr Cys Cys Cys Cys Ala Gly Cys Thr Cys Gly Cys Thr Cys Thr				
3185		3190		3195
Thr Gly Gly Thr Ala Cys Thr Thr Gly Gly Gly Ala Cys Cys Cys				
3200		3205		3210
Cys Ala Gly Thr Gly Cys Cys Thr Cys Gly Thr Thr Gly Ala Gly				
3215		3220		3225
Gly Gly Cys Gly Cys Cys Ala Thr Thr Cys Thr Gly Ala Ala Gly				
3230		3235		3240
Ala Ala Ala Gly Gly Ala Ala Cys Thr Gly Cys Ala Gly Cys Gly				
3245		3250		3255
Cys Cys Gly Ala Thr Thr Thr Gly Ala Gly Gly Gly Thr Gly Gly				
3260		3265		3270
Ala Gly Ala Thr Ala Thr Ala Gly Ala Thr Ala Ala Thr Ala Ala				
3275		3280		3285
Thr Ala Ala Thr Ala Thr Thr Ala Ala Thr Ala Ala Thr Ala Ala				
3290		3295		3300

Thr	Ala	Ala	Thr	Gly	Gly	Cys	Cys	Ala	Cys	Ala	Thr	Gly	Gly	Ala
3305						3310					3315			
Thr	Cys	Gly	Ala	Ala	Cys	Ala	Cys	Thr	Cys	Ala	Thr	Gly	Ala	Thr
3320						3325					3330			
Gly	Thr	Gly	Cys	Cys	Ala	Ala	Ala	Thr	Gly	Cys	Thr	Gly	Thr	Gly
3335						3340					3345			
Cys	Thr	Ala	Ala	Gly	Thr	Gly	Cys	Thr	Thr	Thr	Ala	Cys	Gly	Ala
3350						3355					3360			
Ala	Cys	Ala	Thr	Thr	Cys	Gly	Thr	Cys	Ala	Thr	Ala	Thr	Cys	Ala
3365						3370					3375			
Gly	Gly	Ala	Thr	Gly	Ala	Cys	Cys	Thr	Cys	Gly	Ala	Gly	Ala	Gly
3380						3385					3390			
Cys	Thr	Gly	Ala	Gly	Gly	Cys	Thr	Cys	Thr	Ala	Gly	Cys	Ala	Cys
3395						3400					3405			
Cys	Thr	Ala	Ala	Ala	Ala	Cys	Cys	Ala	Cys	Gly	Thr	Gly	Cys	Cys
3410						3415					3420			
Cys	Ala	Ala	Ala	Cys	Cys	Cys	Ala	Cys	Cys	Ala	Gly	Thr	Thr	Thr
3425						3430					3435			
Ala	Ala	Ala	Ala	Cys	Gly	Gly	Thr	Gly	Thr	Gly	Thr	Gly	Thr	Thr
3440						3445					3450			
Cys	Gly	Gly	Ala	Gly	Gly	Gly	Gly	Thr	Gly	Ala	Ala	Ala	Gly	Cys
3455						3460					3465			
Ala	Thr	Thr	Ala	Ala	Gly	Ala	Ala	Gly	Cys	Cys	Cys	Ala	Gly	Thr
3470						3475					3480			
Gly	Cys	Cys	Cys	Thr	Cys	Cys	Thr	Gly	Gly	Ala	Gly	Thr	Gly	Ala
3485						3490					3495			
Gly	Ala	Cys	Ala	Ala	Gly	Gly	Gly	Cys	Thr	Cys	Gly	Gly	Cys	Cys
3500						3505					3510			

Thr Thr Ala Ala Gly Gly Ala Gly Cys Thr Gly Ala Ala Gly Ala
 3515 3520 3525

Gly Thr Cys Thr Gly Gly Gly Thr Ala Gly Cys Thr Thr Gly Thr
 3530 3535 3540

Thr Thr Ala Gly Gly Gly Thr Ala Cys Ala Ala Gly Ala Ala Gly
 3545 3550 3555

Cys Cys Thr Gly Thr Thr Cys Thr Gly Thr Cys Cys Ala Gly Cys
 3560 3565 3570

Thr Thr Cys Ala Gly Thr Gly Ala Cys Ala Cys Ala Ala Gly Cys
 3575 3580 3585

Thr Gly Cys Thr Thr Thr Ala Gly Cys Thr Ala Ala Ala Gly Thr
 3590 3595 3600

Cys Cys Cys Gly Cys Gly Gly Gly Thr Thr Cys Cys Gly Gly Cys
 3605 3610 3615

Ala Thr Gly Gly Cys Thr Ala Gly Gly Cys Thr Gly Ala Gly Ala
 3620 3625 3630

Gly Cys Ala Gly Gly Gly Ala Thr Cys Thr Ala Cys Cys Thr Gly
 3635 3640 3645

Gly Cys Thr Thr Cys Thr Cys Ala Gly Thr Thr Cys Thr Thr Thr
 3650 3655 3660

Gly Gly Thr Thr Gly Gly Ala Ala Gly Gly Ala Gly Cys Ala Gly
 3665 3670 3675

Gly Ala Ala Ala Thr Cys Ala Gly Cys Thr Cys Cys Thr Ala Thr
 3680 3685 3690

Thr Cys Thr Cys Cys Ala Gly Thr Gly Gly Ala Gly Ala Gly Ala
 3695 3700 3705

Thr Cys Thr Gly Gly Cys Cys Thr Cys Ala Gly Cys Thr Thr Gly
 3710 3715 3720

Gly Gly Cys Thr Ala Gly Ala Gly Ala Thr Gly Cys Cys Ala Ala
3725 3730 3735

Gly Gly Cys Cys Thr Gly Thr Gly Cys Cys Ala Gly Gly Thr Thr
3740 3745 3750

Cys Cys Cys Thr Gly Thr Gly Cys Cys Cys Thr Cys Cys Thr Cys
3755 3760 3765

Gly Ala Gly Gly Thr Gly Gly Gly Cys Ala Gly Cys Cys Ala Thr
3770 3775 3780

Cys Ala Cys Cys Ala Gly Cys Cys Ala Cys Ala Gly Thr Thr Ala
3785 3790 3795

Ala Gly Cys Cys Ala Ala Gly Cys Cys Cys Cys Cys Cys Ala Ala
3800 3805 3810

Cys Ala Thr Gly Thr Ala Thr Thr Cys Cys Ala Thr Cys Gly Thr
3815 3820 3825

Gly Cys Thr Gly Gly Thr Ala Gly Ala Ala Gly Ala Gly Thr Cys
3830 3835 3840

Thr Thr Thr Gly Cys Thr Gly Thr Thr Gly Cys Thr Cys Cys Cys
3845 3850 3855

Gly Ala Ala Ala Gly Cys Cys Gly Thr Gly Cys Thr Cys Thr Cys
3860 3865 3870

Cys Ala Gly Cys Cys Thr Gly Gly Cys Thr Gly Cys Cys Ala Gly
3875 3880 3885

Gly Gly Ala Gly Gly Gly Thr Gly Gly Gly Cys Cys Thr Cys Thr
3890 3895 3900

Thr Gly Gly Thr Thr Cys Cys Ala Gly Gly Cys Thr Cys Thr Thr
3905 3910 3915

Gly Ala Ala Ala Thr Ala Gly Thr Gly Cys Ala Gly Cys Cys Thr

3920		3925		3930
Thr Thr Thr Cys Thr Thr Cys Cys Thr Ala Thr Cys Thr Cys Thr				
3935		3940		3945
Gly Thr Gly Gly Cys Thr Thr Thr Cys Ala Gly Cys Thr Cys Thr				
3950		3955		3960
Gly Cys Thr Thr Cys Cys Thr Thr Gly Gly Thr Thr Ala Thr Thr				
3965		3970		3975
Ala Gly Gly Ala Gly Ala Ala Thr Ala Gly Ala Thr Gly Gly Gly				
3980		3985		3990
Thr Gly Ala Thr Gly Thr Cys Thr Thr Thr Cys Cys Thr Thr Ala				
3995		4000		4005
Thr Gly Thr Thr Gly Cys Thr Thr Thr Thr Thr Cys Ala Ala Cys				
4010		4015		4020
Ala Thr Ala Gly Cys Ala Gly Ala Ala Thr Thr Ala Ala Thr Gly				
4025		4030		4035
Thr Ala Gly Gly Gly Ala Gly Cys Thr Ala Ala Ala Thr Cys Cys				
4040		4045		4050
Ala Gly Thr Gly Gly Thr Gly Thr Gly Thr Gly Thr Gly Ala Ala				
4055		4060		4065
Thr Gly Cys Ala Gly Ala Ala Gly Gly Gly Ala Ala Thr Gly Cys				
4070		4075		4080
Ala Cys Cys Cys Cys Ala Cys Ala Thr Thr Cys Cys Cys Ala Thr				
4085		4090		4095
Gly Ala Thr Gly Gly Ala Ala Gly Thr Cys Thr Gly Cys Gly Thr				
4100		4105		4110
Ala Ala Cys Cys Ala Ala Thr Ala Ala Ala Thr Thr Gly Thr Gly				
4115		4120		4125

Cys Cys Thr Thr Thr Cys Thr Cys Ala Cys Thr Cys Ala Ala Ala
 4130 4135 4140

Ala Cys Cys Cys
 4145

<210> 4
 <211> 457
 <212> PRT
 <213> Mus musculus

<400> 4

Ala Ala Gly Cys Thr Gly Ala Thr Gly Thr Cys Ala Cys Thr Gly Cys
 1 5 10 15

Thr Cys Thr Gly Cys Ala Ala Gly Gly Ala Gly Cys Thr Cys Cys Ala
 20 25 30

Thr Gly Gly Gly Thr Ala Ala Cys Gly Gly Ala Gly Ala Gly Cys Cys
 35 40 45

Cys Thr Gly Ala Gly Ala Gly Ala Gly Gly Gly Gly Thr Gly Gly Gly
 50 55 60

Gly Gly Ala Gly Cys Thr Thr Cys Ala Thr Gly Gly Gly Thr Ala Ala
 65 70 75 80

Thr Gly Gly Gly Ala Gly Cys Cys Cys Cys Thr Ala Cys Cys Cys Ala
 85 90 95

Cys Cys Cys Ala Gly Gly Ala Gly Gly Ala Thr Gly Gly Cys Cys Ala
 100 105 110

Cys Ala Gly Cys Ala Ala Gly Ala Gly Ala Ala Ala Gly Thr Gly Cys
 115 120 125

Thr Cys Ala Thr Thr Ala Gly Ala Gly Thr Gly Ala Cys Cys Cys Thr
 130 135 140

Gly Gly Gly Thr Cys Thr Cys Cys Thr Cys Thr Cys Thr Gly Thr Cys
 145 150 155 160

Cys Ala Gly Ala Thr Gly Thr Cys Thr Cys Thr Gly Cys Ala Gly Cys
 165 170 175

Ala Cys Thr Cys Ala Cys Ala Gly Thr Ala Ala Thr Thr Gly Gly Cys
 180 185 190

Cys Cys Ala Gly Gly Thr Gly Gly Ala Gly Thr Cys Thr Gly Gly Ala
 195 200 205

Ala Thr Gly Thr Thr Cys Cys Ala Gly Gly Cys Thr Thr Gly Thr Thr
 210 215 220

Gly Gly Ala Ala Gly Cys Thr Cys Thr Thr Gly Cys Thr Cys Thr Cys
 225 230 235 240

Ala Thr Ala Gly Ala Ala Thr Cys Thr Gly Ala Gly Cys Thr Cys Thr
 245 250 255

Ala Ala Cys Thr Gly Ala Gly Cys Thr Gly Gly Gly Ala Ala Ala Gly
 260 265 270

Thr Thr Gly Ala Thr Cys Ala Thr Thr Thr Gly Thr Thr Thr Ala Thr
 275 280 285

Thr Cys Cys Thr Thr Thr Thr Ala Gly Gly Gly Thr Ala Thr Thr Gly
 290 295 300

Gly Gly Gly Gly Gly Gly Cys Ala Cys Gly Gly Ala Thr Gly Thr Ala
 305 310 315 320

Thr Gly Cys Ala Thr Gly Cys Thr Gly Gly Thr Ala Thr Gly Thr Ala
 325 330 335

Thr Gly Cys Ala Thr Gly Cys Thr Gly Gly Gly Gly Ala Thr Gly Thr
 340 345 350

Ala Gly Gly Gly Cys Cys Thr Cys Ala Thr Gly Thr Gly Thr Gly Cys
 355 360 365

Thr Ala Ala Ala Thr Ala Cys Ala Thr Gly Thr Gly Cys Cys Thr Ala
 370 375 380

Thr Thr Cys Thr Gly Thr Ala Ala Thr Gly Thr Thr Thr Thr Cys Thr
385 390 395 400

Thr Gly Thr Thr Thr Gly Thr Thr Thr Thr Thr Ala Ala Cys Thr Cys
405 410 415

Ala Ala Ala Thr Thr Ala Ala Thr Thr Ala Gly Ala Gly Gly Cys Ala
420 425 430

Gly Thr Thr Thr Cys Thr Cys Thr Gly Thr Thr Thr Ala Cys Cys Ala
435 440 445

Gly Cys Cys Cys Gly Gly Gly Cys Cys
450 455

<210> 5
<211> 938
<212> PRT
<213> Mus musculus

<400> 5

Ala Ala Ala Thr Cys Ala Cys Cys Ala Cys Ala Cys Gly Gly Cys Cys
1 5 10 15

Ala Ala Thr Ala Cys Thr Cys Cys Cys Cys Cys Cys Cys Ala Ala Cys
20 25 30

Thr Cys Cys Thr Cys Cys Cys Ala Ala Ala Thr Cys Cys Cys Cys Thr
35 40 45

Cys Thr Ala Cys Cys Cys Ala Cys Thr Cys Ala Ala Ala Thr Thr Cys
50 55 60

Thr Thr Ala Thr Cys Thr Thr Gly Thr Ala Thr Thr Cys Thr Thr Thr
65 70 75 80

Ala Thr Cys Ala Thr Thr Ala Thr Thr Ala Thr Ala Cys Ala Thr Ala
85 90 95

Thr Gly Thr Gly Thr Ala Thr Ala Thr Ala Thr Gly Thr Gly Thr Gly
100 105 110

Thr Gly Thr Gly Thr Ala Thr Ala Thr Ala Thr Ala Thr Ala Thr Ala
 115 120 125

Thr Ala Cys Thr Ala Thr Ala Thr Ala Cys Thr Gly Cys Thr Ala Ala
 130 135 140

Thr Gly Ala Gly Thr Ala Ala Cys Ala Thr Thr Thr Ala Gly Thr Gly
 145 150 155 160

Thr Thr Ala Thr Thr Cys Ala Thr Thr Gly Asn Thr Gly Cys Asn Thr
 165 170 175

Gly Thr Thr Thr Asn Cys Ala Ala Thr Gly Asn Gly Cys Thr Thr Thr
 180 185 190

Cys Cys Ala Gly Gly Asn Gly Gly Cys Thr Gly Gly Gly Gly Gly Gly Gly
 195 200 205

Ala Asn Gly Gly Cys Thr Cys Ala Gly Asn Gly Gly Gly Cys Ala Ala
 210 215 220

Ala Ala Thr Thr Cys Thr Ala Gly Cys Thr Gly Cys Ala Cys Ala Ala
 225 230 235 240

Gly Cys Cys Thr Ala Ala Gly Gly Ala Cys Cys Ala Gly Gly Gly Thr
 245 250 255

Thr Cys Ala Gly Ala Thr Cys Cys Cys Cys Ala Ala Thr Ala Thr Ala
 260 265 270

Ala Ala Gly Gly Cys Thr Gly Gly Cys Thr Gly Gly Ala Cys Ala Thr
 275 280 285

Gly Gly Gly Gly Gly Cys Thr Thr Gly Cys Cys Thr Ala Thr Gly Ala
 290 295 300

Thr Ala Cys Thr Ala Gly Cys Ala Thr Gly Cys Thr Thr Gly Cys Thr
 305 310 315 320

Gly Gly Ala Ala Gly Cys Ala Ala Ala Gly Ala Cys Ala Gly Gly Gly
 325 330 335

Ala Ala Thr Cys Cys Cys Thr Gly Gly Ala Gly Ala Cys Thr Thr Ala
 340 345 350

Asn Ala Ala Thr Cys Thr Cys Ala Asn Ala Ala Gly Thr Gly Ala Thr
 355 360 365

Cys Thr Gly Gly Gly Cys Thr Gly Gly Ala Cys Ala Gly Ala Cys Thr
 370 375 380

Ala Gly Cys Thr Gly Ala Ala Cys Thr Gly Gly Cys Cys Ala Gly Cys
 385 390 395 400

Thr Cys Thr Gly Gly Gly Thr Thr Cys Ala Thr Asn Ala Ala Asn Ala
 405 410 415

Ala Ala Cys Cys Cys Thr Asn Cys Cys Thr Cys Cys Ala Thr Ala Ala
 420 425 430

Cys Ala Thr Ala Ala Ala Gly Thr Gly Thr Gly Ala Asn Gly Gly Ala
 435 440 445

Asn Ala Ala Ala Gly Gly Cys Ala Cys Cys Thr Ala Ala Thr Gly Thr
 450 455 460

Cys Ala Ala Cys Cys Thr Cys Ala Ala Ala Cys Cys Cys Cys Thr Ala
 465 470 475 480

Cys Cys Thr Gly Cys Ala Thr Gly Thr Gly Cys Ala Cys Ala Cys Ala
 485 490 495

Cys Ala Thr Ala Cys Ala Thr Cys Cys Ala Cys Ala Cys Cys Ala Cys
 500 505 510

Ala Cys Ala Cys Ala Cys Ala Cys Gly Cys Ala Cys Ala Cys Ala Cys
 515 520 525

Ala Cys Ala Cys Ala Cys Ala Cys Ala Cys Cys Ala Cys Ala Cys Ala
 530 535 540

Cys Ala Cys Ala Cys Ala Cys Ala Cys Ala Cys Ala Ala Ala Thr Ala

545		550		555		560
Ala Ala Thr Ala	Ala Gly Thr Ala Ala Ala Thr Ala Ala Thr Ala					
	565		570		575	
Ala Ala Ala Thr	Ala Thr Thr Thr	Ala Gly Cys Thr Cys	Thr Cys Cys			
	580	585	590			
Ala Gly Ala Cys Cys	Ala Ala Ala Thr Cys Thr Thr	Gly Gly Thr Gly				
	595	600	605			
Ala Ala Ala Cys Cys Cys	Ala Thr Gly Cys Ala Thr Thr Thr	Gly Cys				
	610	615	620			
Ala Thr Thr Thr	Gly Thr Gly Thr Gly Thr Cys Cys Thr	Ala				
	625	630	635		640	
Cys Ala Ala Ala	Cys Ala Cys Thr Gly Ala Ala Gly Gly Thr Thr	Ala				
	645	650		655		
Ala Gly Ala Ala	Gly Cys Ala Thr Gly Cys Thr Cys Cys Thr Thr	Ala				
	660	665		670		
Gly Thr Ala Ala	Thr Thr Thr Thr Ala Thr Ala Gly Cys Ala Gly Thr					
	675	680		685		
Thr Thr Gly Cys Gly	Thr Thr Cys Cys Ala Gly Ala Thr Thr	Gly				
	690	695	700			
Ala Ala Ala Ala	Cys Ala Gly Ala Thr Thr Cys Thr Ala Thr Ala	Gly				
	705	710	715		720	
Gly Cys Thr Ala	Cys Ala Cys Ala Gly Thr Gly Cys Thr Ala Ala Ala					
	725	730		735		
Thr Gly Gly Ala	Thr Thr Ala Thr Gly Cys Thr Cys Ala Gly Ala Thr					
	740	745		750		
Ala Cys Ala Gly	Ala Thr Thr Gly Ala Ala Ala Ala Gly Gly Ala Thr					
	755	760		765		

Ala Cys Ala Gly Ala Thr Thr Gly Ala Ala Ala Ala Gly Gly Gly Thr
 770 775 780

Cys Gly Gly Gly Gly Thr Cys Thr Gly Gly Gly Cys Cys Ala Gly Gly
 785 790 795 800

Ala Thr Gly Ala Cys Gly Gly Gly Cys Cys Ala Ala Cys Thr Ala Thr
 805 810 815

Cys Thr Thr Thr Gly Cys Cys Cys Gly Gly Gly Cys Thr Thr Gly Thr
 820 825 830

Cys Cys Thr Thr Cys Ala Gly Gly Gly Ala Ala Gly Gly Gly Thr Thr
 835 840 845

Ala Cys Ala Gly Gly Ala Thr Thr Cys Ala Cys Cys Ala Cys Thr Gly
 850 855 860

Gly Gly Gly Thr Gly Thr Gly Gly Cys Cys Thr Ala Thr Cys Thr Gly
 865 870 875 880

Cys Thr Gly Thr Thr Ala Gly Gly Ala Cys Cys Thr Gly Ala Ala Thr
 885 890 895

Thr Gly Cys Cys Thr Gly Gly Ala Gly Thr Gly Thr Thr Thr Cys Thr
 900 905 910

Ala Gly Thr Thr Cys Cys Cys Ala Cys Thr Ala Gly Thr Thr Gly Thr
 915 920 925

Thr Gly Ala Ala Cys Thr Thr Thr Ala Cys
 930 935

<210> 6
 <211> 986
 <212> PRT
 <213> Mus musculus

<400> 6

Gly Cys Ala Asn Thr Cys Thr Gly Ala Gly Gly Ala Cys Thr Cys Thr
 1 5 10 15

Gly Cys Cys Ala Thr Cys Cys Thr Gly Gly Ala Gly Thr Cys Thr Cys
 20 25 30

Thr Gly Cys Ala Gly Ala Gly Gly Thr Thr Gly Thr Thr Thr Gly Ala
 35 40 45

Cys Cys Ala Ala Cys Ala Gly Cys Thr Cys Thr Cys Cys Cys Cys Ala
 50 55 60

Gly Gly Cys Cys Thr Thr Cys Gly Cys Cys Cys Ala Cys Gly Ala Cys
 65 70 75 80

Cys Thr Cys Ala Gly Gly Thr Ala Ala Gly Gly Gly Gly Thr Thr Thr
 85 90 95

Gly Gly Ala Thr Thr Thr Gly Gly Ala Ala Ala Gly Ala Thr Gly Cys
 100 105 110

Ala Ala Thr Thr Gly Cys Thr Ala Thr Ala Gly Gly Ala Gly Gly Gly
 115 120 125

Ala Cys Thr Cys Thr Gly Ala Ala Gly Gly Cys Ala Gly Ala Cys Ala
 130 135 140

Gly Ala Cys Gly Cys Ala Cys Cys Gly Cys Cys Thr Cys Cys Thr Cys
 145 150 155 160

Ala Cys Gly Thr Thr Gly Gly Cys Thr Ala Gly Thr Cys Thr Ala Ala
 165 170 175

Thr Ala Thr Ala Ala Ala Cys Ala Thr Cys Gly Cys Gly Gly Thr Gly
 180 185 190

Gly Ala Thr Gly Gly Thr Gly Ala Gly Gly Ala Thr Ala Gly Ala Cys
 195 200 205

Thr Cys Cys Ala Thr Gly Cys Cys Cys Thr Thr Thr Thr Gly Thr Gly
 210 215 220

Ala Ala Gly Gly Cys Ala Thr Thr Thr Cys Cys Thr Gly Gly Cys Ala
 225 230 235 240

Thr Cys Ala Gly Cys Thr Cys Cys Thr Gly Ala Cys Thr Thr Cys Ala
 245 250 255

Gly Ala Gly Thr Thr Thr Cys Ala Cys Cys Cys Ala Thr Cys Ala Gly
 260 265 270

Ala Cys Ala Ala Ala Thr Thr Gly Cys Cys Thr Gly Gly Thr Gly Thr
 275 280 285

Thr Gly Gly Ala Gly Gly Ala Gly Gly Ala Gly Gly Thr Gly Ala Gly
 290 295 300

Cys Ala Gly Gly Gly Cys Cys Ala Thr Thr Cys Cys Cys Ala Thr Cys
 305 310 315 320

Ala Thr Thr Thr Cys Thr Cys Cys Thr Cys Ala Gly Ala Ala Ala Thr
 325 330 335

Gly Gly Ala Ala Ala Gly Gly Cys Ala Ala Gly Gly Ala Ala Ala Ala
 340 345 350

Cys Ala Thr Gly Ala Gly Gly Thr Thr Cys Thr Thr Cys Ala Gly Ala
 355 360 365

Cys Ala Cys Thr Thr Ala Ala Thr Cys Cys Cys Thr Gly Gly Gly Ala
 370 375 380

Cys Thr Gly Cys Ala Ala Ala Ala Thr Gly Gly Thr Gly Gly Thr Gly
 385 390 395 400

Cys Cys Cys Cys Thr Cys Cys Thr Cys Cys Ala Cys Ala Gly Cys Thr
 405 410 415

Gly Cys Thr Cys Ala Cys Gly Gly Cys Gly Gly Gly Gly Cys Ala Gly
 420 425 430

Gly Ala Gly Ala Thr Gly Ala Gly Gly Gly Cys Cys Gly Ala Ala Thr
 435 440 445

Gly Ala Ala Gly Cys Ala Thr Ala Asn Ala Thr Cys Thr Ala Gly Cys
 450 455 460

Thr Ala Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr Ala Gly Asn Gly
465 470 475 480

Cys Cys Thr Thr Cys Ala Asn Thr Ala Ala Ala Thr Thr Thr Ala Ala
485 490 495

Ala Ala Thr Cys Ala Ala Ala Thr Ala Ala Gly Gly Gly Ala Ala Gly
500 505 510

Gly Gly Asn Cys Cys Thr Ala Ala Ala Thr Cys Thr Thr Thr Ala Thr
515 520 525

Asn Thr Thr Asn Thr Gly Gly Cys Thr Thr Thr Asn Thr Ala Ala Ala
530 535 540

Ala Gly Thr Asn Ala Ala Ala Asn Cys Thr Thr Asn Thr Cys Cys Cys
545 550 555 560

Ala Gly Gly Gly Asn Gly Cys Gly Gly Thr Gly Gly Cys Cys Cys Ala
565 570 575

Cys Cys Cys Cys Thr Thr Thr Asn Ala Thr Cys Asn Ala Cys Ala Cys
580 585 590

Thr Thr Gly Gly Gly Ala Gly Gly Cys Ala Ala Ala Gly Gly Cys Ala
595 600 605

Asn Cys Cys Gly Ala Thr Thr Cys Thr Gly Ala Asn Thr Thr Gly Ala
610 615 620

Asn Gly Cys Cys Asn Gly Cys Cys Thr Gly Gly Thr Cys Thr Asn Asn
625 630 635 640

Asn Gly Asn Gly Gly Ala Gly Thr Thr Cys Cys Ala Asn Gly Ala Cys
645 650 655

Ala Asn Cys Cys Ala Gly Gly Cys Thr Thr Cys Cys Cys Ala Asn Gly
660 665 670

Thr Thr Thr Thr Thr Thr Thr Thr Thr Cys Ala Cys Ala Ala Ala Ala

675		680		685
Cys Cys Cys Thr Thr Thr Thr Thr Thr Ala Ala Ala Ala Cys Cys Cys				
690		695		700
Thr Asn Thr Cys Thr Ala Ala Thr Cys Cys Asn Thr Ala Cys Thr Cys				
705		710		715
Asn Thr Thr Asn Asn Asn Cys Cys Asn Thr Cys Ala Asn Thr Ala Cys				
		725		730
				735
Cys Ala Thr Asn Asn Cys Ala Asn Asn Thr Cys Cys Cys Thr Cys Thr				
		740		745
				750
Thr Thr Cys Asn Cys Cys Thr Asn Cys Asn Asn Thr Cys Thr Ala Cys				
		755		760
				765
Thr Thr Thr Thr Asn Thr Asn Cys Cys Asn Cys Thr Asn Asn Thr Gly				
		770		775
				780
Asn Asn Cys Asn Ala Thr Thr Ala Thr Thr Thr Thr Cys Cys Thr Cys				
785		790		795
				800
Thr Thr Cys Asn Cys Thr Thr Asn Thr Gly Thr Thr Ala Thr Ala Thr				
		805		810
				815
Asn Ala Asn Ala Thr Ala Ala Thr Thr Cys Thr Cys Cys Cys Ala Ala				
		820		825
				830
Cys Cys Cys Cys Thr Cys Ala Cys Cys Cys Cys Thr Cys Thr Thr Thr				
		835		840
				845
Ala Thr Thr Cys Thr Asn Ala Asn Asn Asn Asn Asn Ala Thr Thr Thr				
		850		855
				860
Thr Gly Asn Cys Ala Thr Cys Thr Gly Cys Cys Thr Cys Cys Asn Asn				
865		870		875
				880
Thr Thr Ala Asn Asn Asn Thr Thr Asn Asn Thr Cys Cys Thr Cys Asn				
		885		890
				895

Cys Thr Thr Cys Ala Asn Cys Thr Asn Cys Thr Thr Cys Cys Ala Thr
 900 905 910

Thr Asn Gly Gly Thr Thr Gly Thr Asn Ala Cys Thr Cys Asn Ala Asn
 915 920 925

Asn Thr Thr Thr Asn Cys Thr Asn Thr Cys Thr Cys Thr Thr Ala Asn
 930 935 940

Asn Asn Cys Thr Thr Cys Asn Cys Gly Asn Asn Asn Asn Thr Thr Cys
 945 950 955 960

Thr Cys Cys Ala Asn Thr Cys Cys Asn Cys Thr Asn Asn Cys Cys Thr
 965 970 975

Asn Cys Asn Cys Cys Ala Asn Cys Cys Cys
 980 985

<210> 7
 <211> 1001
 <212> PRT
 <213> Mus musculus

<400> 7

Gly Gly Gly Ala Gly Asn Asn Asn Asn Ala Ala Thr Thr Ala Gly Asn
 1 5 10 15

Asn Ala Ala Gly Ala Asn Ala Asn Asn Asn Thr Thr Thr Thr Asn Thr
 20 25 30

Thr Thr Thr Asn Ala Gly Gly Ala Cys Cys Gly Cys Asn Asn Thr Ala
 35 40 45

Thr Gly Thr Thr Thr Ala Thr Asn Ala Gly Ala Ala Gly Ala Asn Asn
 50 55 60

Gly Gly Asn Gly Ala Asn Asn Gly Ala Asn Asn Thr Asn Thr Ala Ala
 65 70 75 80

Gly Gly Ala Asn Cys Ala Cys Cys Ala Asn Ala Gly Asn Cys Gly Asn
 85 90 95

Cys Asn Asn Ala Ala Gly Gly Thr Thr Thr Thr Asn Ala Ala Thr Ala
 100 105 110

Asn Asn Gly Ala Gly Gly Asn Ala Gly Asn Cys Gly Ala Asn Ala Ala
 115 120 125

Ala Ala Ala Asn Ala Asn Thr Thr Thr Thr Asn Cys Ala Thr Asn Thr Asn
 130 135 140

Thr Thr Thr Thr Gly Asn Cys Ala Cys Cys Asn Asn Gly Ala Asn Thr
 145 150 155 160

Thr Thr Thr Gly Ala Ala Thr Ala Thr Asn Ala Asn Ala Thr Asn Ala
 165 170 175

Thr Gly Ala Ala Ala Ala Asn Asn Asn Asn Thr Gly Thr Gly Thr Asn
 180 185 190

Thr Gly Asn Asn Thr Gly Thr Gly Thr Gly Thr Asn Thr Gly Thr Asn
 195 200 205

Thr Gly Thr Gly Thr Gly Asn Asn Thr Gly Thr Cys Thr Gly Thr Cys
 210 215 220

Thr Ala Thr Asn Gly Gly Thr Gly Thr Gly Thr Gly Thr Gly Cys Asn
 225 230 235 240

Ala Gly Asn Gly Ala Gly Thr Gly Ala Gly Thr Ala Gly Thr Gly Ala
 245 250 255

Gly Gly Ala Gly Ala Gly Ala Asn Ala Ala Gly Ala Ala Ala Gly Asn
 260 265 270

Ala Thr Ala Thr Gly Ala Gly Asn Ala Ala Ala Gly Asn Gly Cys Ala
 275 280 285

Gly Cys Thr Thr Gly Cys Asn Ala Ala Gly Ala Gly Gly Gly Ala Thr
 290 295 300

Cys Thr Cys Thr Cys Asn Thr Ala Cys Gly Gly Thr Gly Thr Gly Gly
 305 310 315 320

Gly Thr Cys Asn Cys Ala Ala Ala Gly Thr Thr Thr Gly Ala Cys Thr
 325 330 335

Cys Cys Ala Gly Ala Thr Thr Gly Cys Cys Ala Thr Gly Cys Thr Thr
 340 345 350

Gly Gly Gly Gly Cys Ala Ala Ala Thr Thr Cys Cys Thr Thr Thr Thr
 355 360 365

Asn Cys Cys Ala Asn Ala Ala Ala Cys Cys Ala Thr Cys Thr Thr Gly
 370 375 380

Cys Gly Thr Gly Ala Cys Thr Thr Asn Thr Cys Thr Ala Asn Thr Gly
 385 390 395 400

Cys Thr Cys Cys Thr Gly Gly Cys Thr Thr Thr Ala Gly Gly Gly Asn
 405 410 415

Gly Gly Cys Thr Thr Thr Thr Asn Thr Gly Thr Asn Thr Gly Thr Thr
 420 425 430

Thr Thr Asn Ala Thr Thr Thr Thr Thr Gly Thr Thr Thr Thr Cys Ala
 435 440 445

Thr Gly Ala Gly Ala Thr Ala Gly Gly Ala Cys Cys Cys Cys Cys Ala
 450 455 460

Ala Ala Thr Ala Gly Cys Cys Thr Cys Cys Thr Thr Gly Ala Gly Thr
 465 470 475 480

Cys Ala Thr Ala Cys Cys Thr Ala Ala Ala Cys Cys Thr Thr Cys Cys
 485 490 495

Ala Cys Cys Ala Cys Ala Cys Cys Cys Ala Gly Cys Thr Thr Ala Gly
 500 505 510

Cys Thr Thr Thr Thr Cys Ala Thr Thr Thr Thr Cys Thr Ala Ala Ala
 515 520 525

Cys Ala Thr Gly Thr Cys Thr Gly Cys Gly Thr Ala Gly Gly Ala Ala
 530 535 540

Thr Cys Gly Thr Cys Thr Thr Cys Cys Thr Ala Ala Thr Thr Ala Thr
545 550 555 560

Thr Ala Cys Cys Ala Gly Thr Cys Gly Ala Thr Gly Thr Thr Cys Ala
565 570 575

Ala Thr Thr Ala Gly Cys Gly Gly Thr Thr Gly Thr Ala Ala Cys Ala
580 585 590

Ala Gly Gly Cys Cys Cys Cys Ala Gly Ala Gly Thr Gly Thr Gly Ala
595 600 605

Ala Thr Cys Thr Ala Thr Thr Gly Cys Thr Ala Ala Gly Ala Thr Thr
610 615 620

Cys Thr Thr Thr Cys Cys Gly Gly Ala Ala Gly Thr Ala Gly Ala Thr
625 630 635 640

Gly Ala Cys Ala Cys Ala Thr Cys Ala Gly Ala Thr Thr Ala Ala Thr
645 650 655

Ala Ala Gly Thr Gly Thr Thr Gly Thr Cys Ala Ala Ala Cys Thr Cys
660 665 670

Ala Thr Cys Ala Gly Thr Gly Ala Ala Thr Gly Ala Ala Cys Cys Ala
675 680 685

Thr Thr Thr Cys Cys Cys Ala Ala Cys Ala Gly Thr Thr Cys Ala Thr
690 695 700

Cys Thr Gly Thr Thr Thr Cys Cys Thr Cys Cys Ala Cys Cys Ala Ala
705 710 715 720

Ala Thr Cys Thr Gly Thr Thr Gly Gly Thr Gly Gly Ala Gly Cys Ala
725 730 735

Gly Cys Thr Gly Gly Gly Thr Thr Ala Cys Ala Cys Ala Thr Gly Gly
740 745 750

Gly Cys Gly Ala Gly Cys Thr Gly Gly Gly Cys Thr Cys Ala Gly Cys

755		760		765
Cys Gly Cys Gly Gly Thr Gly Cys Cys Ala Gly Cys Cys Ala Thr Thr				
770		775		780
Thr Thr Thr Cys Cys Ala Gly Cys Ala Thr Gly Cys Thr Ala Thr Gly				
785		790		795
				800
Gly Ala Ala Thr Ala Thr Ala Gly Gly Gly Gly Thr Gly Thr Thr Ala				
	805		810	815
Thr Cys Ala Gly Gly Cys Cys Ala Gly Gly Gly Thr Gly Gly Gly Ala				
	820		825	830
Ala Ala Ala Gly Cys Cys Thr Gly Gly Gly Ala Ala Thr Ala Gly Cys				
	835		840	845
Gly Ala Gly Cys Cys Ala Gly Ala Thr Ala Gly Cys Cys Thr Cys Ala				
	850		855	860
Cys Cys Cys Gly Gly Gly Ala Cys Ala Thr Thr Gly Ala Cys Cys Ala				
865		870		875
				880
Thr Cys Cys Cys Ala Gly Cys Cys Ala Thr Gly Thr Ala Gly Ala Thr				
	885		890	895
Ala Ala Ala Thr Cys Ala Gly Ala Gly Thr Thr Gly Ala Cys Ala Thr				
	900		905	910
Cys Ala Cys Cys Ala Ala Ala Gly Cys Cys Ala Gly Cys Cys Ala Cys				
	915		920	925
Thr Gly Ala Cys Thr Gly Cys Ala Thr Gly Thr Cys Thr Thr Ala Thr				
	930		935	940
Gly Cys Thr Cys Thr Gly Ala Ala Gly Gly Thr Gly Ala Ala Gly Thr				
945		950		955
				960
Cys Ala Gly Ala Gly Thr Cys Cys Cys Thr Gly Gly Gly Cys Ala Thr				
	965		970	975

Thr Cys Cys Thr Cys Ala Gly Ala Ala Ala Gly Cys Thr Cys Cys
 980 985 990

Cys Ala Ala Ala Gly Gly Ala Asn Gly
 995 1000

<210> 8
 <211> 6498
 <212> PRT
 <213> Mus musculus

<400> 8

Gly Thr Ala Ala Cys Gly Gly Ala Gly Ala Gly Cys Cys Cys Thr Gly
 1 5 10 15

Ala Gly Ala Gly Ala Gly Gly Gly Gly Thr Gly Gly Gly Gly Gly Ala
 20 25 30

Gly Cys Thr Thr Cys Ala Thr Gly Gly Gly Thr Ala Ala Thr Gly Gly
 35 40 45

Gly Ala Gly Cys Cys Cys Cys Thr Ala Cys Cys Cys Ala Cys Cys Cys
 50 55 60

Ala Gly Gly Ala Gly Gly Ala Thr Gly Gly Cys Cys Ala Cys Ala Gly
 65 70 75 80

Cys Ala Ala Gly Ala Gly Ala Ala Ala Gly Thr Gly Cys Thr Cys Ala
 85 90 95

Thr Thr Ala Gly Ala Gly Thr Gly Ala Cys Cys Cys Thr Gly Gly Gly
 100 105 110

Thr Cys Thr Cys Cys Thr Cys Thr Cys Thr Gly Thr Cys Cys Ala Gly
 115 120 125

Ala Thr Gly Thr Cys Thr Cys Thr Gly Cys Ala Gly Cys Ala Cys Thr
 130 135 140

Cys Ala Cys Ala Gly Thr Ala Ala Thr Thr Gly Gly Cys Cys Cys Ala
 145 150 155 160

Gly Gly Thr Gly Gly Ala Gly Thr Cys Thr Gly Gly Ala Ala Thr Gly
 165 170 175

Thr Thr Cys Cys Ala Gly Gly Cys Thr Thr Gly Thr Thr Gly Gly Ala
 180 185 190

Ala Gly Cys Thr Cys Thr Thr Gly Cys Thr Cys Thr Cys Ala Thr Ala
 195 200 205

Gly Ala Ala Thr Cys Thr Gly Ala Gly Cys Thr Cys Thr Ala Ala Cys
 210 215 220

Thr Gly Ala Gly Cys Thr Gly Gly Gly Ala Ala Ala Gly Thr Thr Gly
 225 230 235 240

Ala Thr Cys Ala Thr Thr Thr Gly Thr Thr Thr Ala Thr Thr Cys Cys
 245 250 255

Thr Thr Thr Thr Ala Gly Gly Gly Thr Ala Thr Thr Gly Gly Gly Gly
 260 265 270

Gly Gly Gly Cys Ala Cys Gly Gly Ala Thr Gly Thr Ala Thr Gly Cys
 275 280 285

Ala Thr Gly Cys Thr Gly Gly Thr Ala Thr Gly Thr Ala Thr Gly Cys
 290 295 300

Ala Thr Gly Cys Thr Gly Gly Gly Gly Ala Thr Gly Thr Ala Gly Gly
 305 310 315 320

Gly Cys Cys Thr Cys Ala Thr Gly Thr Gly Thr Gly Cys Thr Ala Ala
 325 330 335

Ala Thr Ala Cys Ala Thr Gly Thr Gly Cys Cys Thr Ala Thr Thr Cys
 340 345 350

Thr Gly Thr Ala Ala Thr Gly Thr Thr Thr Thr Cys Thr Thr Gly Thr
 355 360 365

Thr Thr Gly Thr Thr Thr Thr Thr Ala Ala Cys Thr Cys Ala Ala Ala
 370 375 380

Thr Thr Ala Ala Thr Thr Ala Gly Ala Gly Gly Cys Ala Gly Thr Thr
385 390 395 400

Thr Cys Thr Cys Thr Gly Thr Thr Ala Ala Ala Ala Ala Ala Ala Ala
405 410 415

Ala Ala Ala Gly Gly Thr Gly Gly Ala Ala Gly Ala Cys Ala Cys Thr
420 425 430

Gly Cys Cys Ala Thr Cys Thr Cys Ala Thr Thr Thr Gly Thr Gly Thr
435 440 445

Thr Gly Gly Gly Ala Cys Thr Thr Gly Ala Gly Ala Thr Ala Thr Ala
450 455 460

Thr Ala Thr Ala Thr Ala Thr Ala Thr Ala Thr Ala Thr Ala Thr Ala
465 470 475 480

Thr Ala Thr Ala Thr Ala Thr Ala Thr Ala Thr Ala Thr Ala Thr Ala
485 490 495

Thr Ala Thr Ala Ala Thr Thr Thr Ala Thr Thr Thr Ala Thr Thr Thr
500 505 510

Ala Thr Thr Thr Ala Thr Thr Thr Gly Thr Gly Thr Ala Thr Gly Thr
515 520 525

Gly Thr Gly Thr Ala Thr Ala Ala Gly Ala Ala Ala Gly Cys Gly Gly
530 535 540

Gly Gly Gly Ala Cys Ala Cys Thr Cys Ala Thr Gly Thr Gly Cys Cys
545 550 555 560

Ala Thr Gly Gly Thr Gly Thr Gly Thr Ala Thr Gly Gly Gly Gly Ala
565 570 575

Cys Ala Cys Ala Cys Gly Thr Gly Thr Cys Cys Thr Gly Thr Gly Gly
580 585 590

Gly Gly Gly Ala Ala Cys Ala Thr Thr Gly Thr Gly Thr Cys Ala Gly
595 600 605

Gly Gly Gly Ala Ala Cys Ala Ala Ala Cys Ala Thr Gly Thr Gly Cys
 610 615 620

Thr Gly Ala Gly Gly Gly Thr Gly Gly Gly Gly Gly Gly Ala Thr Ala
 625 630 635 640

Thr Ala Thr Ala Thr Gly Thr Gly Cys Cys Ala Cys Thr Gly Thr Gly
 645 650 655

Gly Thr Gly Ala Thr Thr Thr Gly Gly Thr Thr Gly Gly Gly Gly Gly
 660 665 670

Ala Gly Ala Cys Ala Thr Gly Thr Ala Thr Gly Thr Gly Cys Thr Ala
 675 680 685

Thr Gly Ala Thr Ala Cys Cys Thr Gly Thr Gly Thr Gly Thr Ala Gly
 690 695 700

Gly Ala Cys Ala Gly Ala Gly Gly Ala Cys Ala Cys Ala Cys Thr Cys
 705 710 715 720

Ala Cys Ala Cys Ala Gly Gly Ala Gly Cys Cys Thr Thr Cys Thr Thr
 725 730 735

Ala Cys Cys Thr Gly Cys Thr Gly Ala Gly Cys Thr Gly Thr Cys Thr
 740 745 750

Cys Ala Ala Gly Cys Ala Gly Thr Cys Cys Ala Ala Gly Cys Cys Cys
 755 760 765

Thr Cys Cys Ala Gly Gly Cys Thr Gly Thr Ala Gly Cys Cys Ala Cys
 770 775 780

Thr Cys Thr Thr Cys Cys Thr Cys Cys Thr Thr Gly Cys Thr Ala Cys
 785 790 795 800

Ala Gly Thr Cys Cys Cys Ala Cys Ala Thr Cys Cys Ala Gly Cys Cys
 805 810 815

Ala Ala Cys Ala Cys Ala Thr Ala Ala Ala Gly Gly Cys Thr Cys Thr

820

825

830

Gly Gly Cys Ala Gly Gly Ala Ala Ala Thr Ala Ala Ala Thr Thr Ala
 835 840 845

Ala Ala Thr Thr Thr Gly Cys Thr Thr Thr Gly Thr Gly Thr Gly Thr
 850 855 860

Gly Gly Gly Thr Gly Cys Thr Gly Ala Cys Gly Gly Cys Thr Cys Ala
 865 870 875 880

Ala Gly Thr Cys Thr Thr Cys Cys Gly Gly Thr Gly Ala Thr Gly Gly
 885 890 895

Thr Ala Ala Thr Gly Thr Thr Thr Ala Ala Ala Gly Cys Ala Ala Gly
 900 905 910

Cys Cys Ala Ala Cys Ala Thr Cys Ala Gly Thr Thr Cys Thr Cys Cys
 915 920 925

Ala Gly Thr Gly Cys Cys Gly Ala Ala Gly Thr Thr Ala Thr Thr Gly
 930 935 940

Ala Ala Thr Gly Ala Cys Thr Gly Ala Cys Cys Ala Ala Thr Gly Gly
 945 950 955 960

Gly Thr Ala Ala Cys Ala Cys Thr Thr Ala Gly Gly Ala Thr Thr Thr
 965 970 975

Thr Thr Ala Ala Ala Ala Ala Thr Thr Ala Thr Thr Thr Thr Gly Ala
 980 985 990

Thr Thr Gly Thr Ala Cys Ala Thr Thr Thr Thr Gly Ala Ala Thr Thr
 995 1000 1005

Ala Cys Ala Thr Thr Ala Ala Thr Cys Thr Thr Ala Ala Ala Ala
 1010 1015 1020

Thr Ala Ala Ala Cys Thr Ala Cys Ala Ala Ala Cys Ala Thr Ala
 1025 1030 1035

Ala Ala Cys Ala Cys Ala Cys Thr Gly Thr Gly Gly Thr Thr Gly
1040 1045 1050

Gly Ala Gly Cys Thr Gly Gly Gly Cys Ala Thr Ala Gly Thr Gly
1055 1060 1065

Gly Cys Ala Cys Ala Thr Gly Cys Cys Thr Thr Thr Ala Ala Thr
1070 1075 1080

Thr Cys Cys Ala Gly Ala Ala Cys Thr Thr Gly Gly Gly Ala Gly
1085 1090 1095

Gly Cys Ala Gly Ala Gly Gly Cys Thr Gly Gly Cys Ala Thr Ala
1100 1105 1110

Thr Cys Thr Cys Thr Ala Thr Gly Ala Cys Thr Thr Thr Gly Ala
1115 1120 1125

Gly Gly Cys Cys Ala Gly Cys Cys Thr Gly Gly Thr Cys Thr Ala
1130 1135 1140

Thr Ala Thr Ala Ala Thr Gly Ala Gly Thr Thr Cys Cys Ala Gly
1145 1150 1155

Gly Ala Cys Ala Gly Ala Gly Ala Gly Ala Thr Cys Cys Thr Gly
1160 1165 1170

Thr Cys Thr Cys Ala Cys Ala Ala Ala Cys Ala Gly Ala Gly Ala
1175 1180 1185

Ala Ala Ala Cys Cys Cys Cys Ala Thr Ala Ala Cys Thr Ala Thr
1190 1195 1200

Ala Cys Thr Thr Thr Thr Ala Thr Thr Gly Thr Ala Cys Thr Gly
1205 1210 1215

Gly Thr Thr Gly Gly Thr Cys Thr Ala Cys Ala Gly Thr Gly Thr
1220 1225 1230

Ala Ala Ala Gly Ala Ala Thr Thr Gly Gly Cys Ala Ala Ala Gly
1235 1240 1245

Ala Ala Thr Ala Thr Gly Ala Ala Ala Gly Ala Thr Thr Ala Cys
1250 1255 1260

Ala Cys Thr Gly Gly Gly Ala Ala Gly Ala Ala Ala Cys Thr Gly
1265 1270 1275

Ala Ala Ala Gly Cys Cys Ala Thr Cys Cys Ala Gly Ala Gly Thr
1280 1285 1290

Ala Ala Thr Gly Ala Ala Gly Cys Ala Ala Ala Cys Cys Cys Cys
1295 1300 1305

Thr Cys Ala Cys Ala Ala Ala Thr Gly Thr Gly Gly Gly Ala Ala
1310 1315 1320

Ala Cys Ala Thr Thr Thr Cys Ala Cys Ala Thr Gly Gly Gly Thr
1325 1330 1335

Gly Ala Gly Gly Gly Cys Thr Thr Gly Cys Ala Gly Cys Cys Ala
1340 1345 1350

Gly Cys Cys Thr Gly Thr Gly Cys Thr Ala Ala Thr Thr Thr Ala
1355 1360 1365

Thr Gly Thr Thr Thr Thr Gly Gly Thr Ala Cys Gly Thr Gly Ala
1370 1375 1380

Gly Cys Ala Cys Thr Thr Ala Gly Ala Gly Cys Ala Gly Thr Thr
1385 1390 1395

Thr Cys Cys Ala Gly Thr Thr Cys Thr Cys Thr Gly Gly Thr Gly
1400 1405 1410

Cys Thr Cys Thr Ala Cys Cys Ala Ala Thr Cys Thr Thr Ala Gly
1415 1420 1425

Cys Thr Thr Gly Gly Thr Thr Ala Ala Thr Ala Thr Thr Cys Ala
1430 1435 1440

Gly Gly Gly Ala Thr Gly Ala Gly Thr Cys Thr Thr Cys Cys Ala
1445 1450 1455

Thr Cys Ala Cys Cys Gly Gly Thr Ala Ala Thr Cys Thr Ala Ala
 1460 1465 1470

Thr Thr Thr Gly Cys Cys Ala Thr Thr Cys Thr Ala Thr Thr Thr
 1475 1480 1485

Ala Ala Ala Gly Gly Cys Thr Cys Thr Thr Ala Ala Ala Gly Gly
 1490 1495 1500

Cys Ala Cys Ala Gly Gly Cys Ala Gly Thr Gly Cys Ala Thr Thr
 1505 1510 1515

Gly Gly Gly Thr Ala Ala Ala Thr Gly Thr Gly Gly Cys Ala Ala
 1520 1525 1530

Ala Thr Ala Ala Thr Thr Thr Cys Thr Thr Thr Gly Ala Cys Ala
 1535 1540 1545

Ala Ala Thr Cys Gly Ala Cys Cys Ala Ala Thr Thr Gly Thr Cys
 1550 1555 1560

Ala Gly Ala Thr Thr Gly Gly Cys Cys Thr Gly Cys Thr Ala Gly
 1565 1570 1575

Thr Cys Ala Thr Thr Thr Gly Thr Thr Thr Cys Ala Ala Thr Gly
 1580 1585 1590

Ala Gly Ala Ala Cys Thr Gly Thr Thr Thr Thr Thr Thr Cys Thr
 1595 1600 1605

Cys Ala Ala Ala Gly Gly Ala Thr Gly Cys Thr Cys Thr Thr Gly
 1610 1615 1620

Thr Ala Cys Ala Cys Cys Gly Gly Cys Thr Ala Gly Ala Ala Gly
 1625 1630 1635

Cys Ala Gly Gly Gly Cys Thr Gly Thr Cys Ala Thr Thr Thr Thr
 1640 1645 1650

Thr Ala Thr Ala Gly Gly Thr Cys Thr Cys Thr Gly Thr Gly Gly

1655		1660		1665
Thr Ala	Thr Thr Thr Thr	Gly Thr Thr Gly Thr	Thr Gly Thr Thr	
1670		1675	1680	
Gly Thr	Thr Cys Thr Gly	Thr Gly Thr Thr	Gly Cys Ala Ala	
1685		1690	1695	
Ala Thr	Cys Ala Thr Thr	Thr Ala Thr Cys Ala	Cys Thr Gly Ala	
1700		1705	1710	
Gly Gly	Gly Ala Ala Ala	Ala Thr Ala Cys Ala	Cys Ala Cys Ala	
1715		1720	1725	
Ala Ala	Gly Gly Gly Cys	Cys Cys Thr Thr Thr	Cys Thr Thr Thr	
1730		1735	1740	
Ala Ala	Ala Ala Gly Thr	Ala Thr Ala Cys Ala	Thr Gly Thr Ala	
1745		1750	1755	
Thr Cys	Ala Thr Thr Thr	Thr Gly Thr Gly Ala	Cys Ala Gly Cys	
1760		1765	1770	
Thr Cys	Ala Thr Ala Ala	Gly Ala Ala Gly Cys	Thr Gly Thr Thr	
1775		1780	1785	
Thr Thr	Thr Thr Thr Cys	Thr Gly Cys Cys Thr	Gly Gly Ala Cys	
1790		1795	1800	
Ala Cys	Ala Gly Gly Thr	Cys Cys Thr Gly Ala	Cys Cys Thr Gly	
1805		1810	1815	
Thr Gly	Cys Thr Gly Thr	Gly Thr Cys Cys Thr	Thr Gly Cys Thr	
1820		1825	1830	
Ala Ala	Gly Cys Thr Thr	Thr Gly Thr Cys Ala	Gly Ala Cys Cys	
1835		1840	1845	
Cys Thr	Thr Cys Cys Ala	Cys Ala Gly Cys Thr	Cys Cys Cys Cys	
1850		1855	1860	

Cys Cys Ala Ala Cys Ala Ala Cys Gly Ala Gly Thr Thr Cys Cys
1865 1870 1875

Cys Cys Ala Gly Thr Ala Cys Cys Thr Gly Cys Cys Thr Cys Ala
1880 1885 1890

Cys Cys Thr Cys Ala Thr Cys Ala Cys Thr Ala Thr Gly Gly Thr
1895 1900 1905

Gly Ala Cys Ala Gly Cys Ala Gly Cys Cys Thr Cys Thr Gly Ala
1910 1915 1920

Thr Gly Cys Gly Cys Thr Gly Ala Cys Thr Cys Thr Cys Thr Gly
1925 1930 1935

Gly Cys Ala Cys Ala Thr Thr Ala Thr Gly Gly Cys Ala Gly Thr
1940 1945 1950

Gly Thr Thr Ala Ala Ala Ala Gly Cys Thr Thr Cys Cys Ala Thr
1955 1960 1965

Cys Thr Cys Thr Cys Thr Cys Thr Thr Thr Gly Cys Thr Gly Ala
1970 1975 1980

Ala Thr Ala Ala Thr Gly Ala Ala Cys Cys Thr Cys Ala Gly Gly
1985 1990 1995

Thr Thr Gly Thr Thr Cys Ala Ala Gly Ala Gly Ala Cys Cys Gly
2000 2005 2010

Gly Ala Ala Thr Gly Thr Thr Cys Thr Thr Cys Ala Cys Cys Thr
2015 2020 2025

Gly Cys Cys Thr Gly Cys Ala Cys Ala Cys Ala Thr Cys Thr Cys
2030 2035 2040

Thr Thr Cys Ala Cys Thr Thr Thr Cys Thr Thr Thr Thr Ala Thr
2045 2050 2055

Ala Gly Ala Thr Cys Ala Gly Gly Thr Ala Gly Gly Gly Ala Cys
2060 2065 2070

Thr Gly 2075	Gly Gly Cys Gly	Thr 2080	Gly Thr Ala Gly	Ala 2085	Thr Gly Gly
Ala Ala 2090	Cys Ala Ala Ala	Cys 2095	Thr Gly Thr Thr	Thr 2100	Thr Cys Cys
Gly Thr 2105	Thr Cys Cys Cys	Cys 2110	Ala Gly Cys Cys	Ala 2115	Thr Cys Thr
Cys Thr 2120	Gly Cys Ala Gly	Gly 2125	Thr Gly Cys Ala	Cys 2130	Thr Cys Cys
Ala Cys 2135	Ala Thr Ala Ala	Ala 2140	Thr Cys Ala Ala	Gly 2145	Thr Gly Thr
Thr Ala 2150	Ala Ala Ala Gly	Thr 2155	Gly Cys Thr Thr	Thr 2160	Gly Ala Thr
Thr Ala 2165	Ala Ala Cys Ala	Gly 2170	Gly Ala Cys Ala	Gly 2175	Gly Cys Gly
Cys Gly 2180	Thr Thr Cys Thr	Thr 2185	Gly Ala Gly Thr	Thr 2190	Cys Ala Thr
Cys Thr 2195	Gly Thr Thr Cys	Ala 2200	Cys Ala Thr Ala	Cys 2205	Thr Gly Thr
Cys Thr 2210	Gly Gly Cys Ala	Ala 2215	Gly Cys Gly Cys	Thr 2220	Gly Ala Cys
Thr Gly 2225	Ala Gly Gly Gly	Thr 2230	Cys Thr Cys Cys	Thr 2235	Cys Thr Gly
Thr Ala 2240	Cys Cys Cys Thr	Gly 2245	Thr Thr Cys Thr	Gly 2250	Ala Gly Ala
Ala Cys 2255	Thr Ala Ala Cys	Ala 2260	Ala Ala Ala Gly	Ala 2265	Cys Gly Ala
Ala Thr 2270	Cys Ala Ala Cys	Ala 2275	Thr Ala Cys Ala	Gly 2280	Ala Ala Ala

Ala Cys Thr Gly Thr Thr	Ala Thr Thr Thr Ala Gly Thr Gly Ala
2285	2290 2295
Cys Thr Gly Ala Thr Thr	Ala Ala Cys Thr Ala Ala Cys Gly
2300	2305 2310
Ala Ala Gly Gly Cys Ala Thr	Gly Gly Gly Cys Thr Gly Gly Ala
2315	2320 2325
Gly Ala Ala Ala Thr Ala Ala	Cys Thr Cys Ala Gly Cys Ala Gly
2330	2335 2340
Thr Thr Ala Ala Gly Ala Ala	Cys Ala Thr Thr Thr Gly Cys Thr
2345	2350 2355
Gly Ala Thr Cys Thr Thr Gly	Cys Ala Gly Ala Gly Gly Ala Cys
2360	2365 2370
Cys Thr Gly Gly Gly Thr Thr	Gly Gly Gly Thr Thr Cys Cys Thr
2375	2380 2385
Ala Gly Cys Ala Cys Ala Cys	Ala Cys Ala Gly Gly Gly Ala Cys
2390	2395 2400
Ala Gly Thr Thr Cys Cys Ala	Gly Thr Cys Cys Cys Gly Gly Thr
2405	2410 2415
Gly Thr Gly Thr Cys Cys Thr	Thr Thr Thr Cys Thr Cys Ala Cys
2420	2425 2430
Thr Thr Cys Thr Gly Thr Gly	Gly Ala Cys Ala Cys Ala Ala Gly
2435	2440 2445
Thr Thr Thr Thr Ala Cys Ala	Cys Ala Thr Ala Gly Thr Gly Cys
2450	2455 2460
Ala Cys Ala Cys Ala Cys Ala	Thr Ala Cys Ala Cys Thr Cys Ala
2465	2470 2475
Cys Ala Thr Ala Thr Ala Thr	Ala Ala Ala Ala Cys Ala Gly Ala

2480		2485		2490
Ala Cys	Ala Thr Thr Thr	Ala	Ala Ala Ala Gly	Thr Ala Thr Gly
2495		2500		2505
Thr Thr	Thr Ala Ala Ala	Thr	Ala Ala Cys Gly	Gly Ala Ala Thr
2510		2515		2520
Cys Ala	Thr Thr Thr Ala	Thr	Ala Thr Ala Gly	Gly Thr Thr Thr
2525		2530		2535
Thr Cys	Ala Thr Thr Thr	Ala	Cys Ala Thr Ala	Gly Gly Thr Ala
2540		2545		2550
Ala Ala	Thr Ala Gly Gly	Cys	Ala Ala Ala Ala	Ala Thr Cys Thr
2555		2560		2565
Gly Cys	Ala Thr Thr Thr	Thr	Ala Thr Thr Gly	Thr Thr Thr Cys
2570		2575		2580
Thr Ala	Ala Gly Thr Thr	Thr	Thr Ala Ala Thr	Thr Thr Ala Thr
2585		2590		2595
Thr Thr	Thr Thr Cys Thr	Cys	Thr Gly Thr Gly	Thr Gly Thr Ala
2600		2605		2610
Cys Ala	Thr Ala Cys Gly	Cys	Ala Thr Gly Cys	Cys Thr Cys Cys
2615		2620		2625
Thr Thr	Ala Thr Cys Thr	Gly	Thr Ala Thr Gly	Thr Gly Cys Gly
2630		2635		2640
Thr Gly	Cys Ala Cys Thr	Gly	Thr Gly Thr Gly	Cys Ala Thr Gly
2645		2650		2655
Cys Ala	Thr Gly Ala Ala	Cys	Cys Cys Ala Cys	Ala Gly Ala Gly
2660		2665		2670
Ala Cys	Cys Ala Gly Ala	Ala	Gly Ala Gly Thr	Ala Cys Cys Ala
2675		2680		2685

Cys	Ala	Gly	Ala	Thr	Thr	Cys	Thr	Cys	Thr	Gly	Gly	Ala	Gly	Cys	2690	2695	2700
Thr	Gly	Gly	Ala	Gly	Thr	Gly	Ala	Thr	Thr	Gly	Ala	Thr	Ala	Gly	2705	2710	2715
Gly	Cys	Thr	Gly	Thr	Thr	Gly	Gly	Gly	Ala	Gly	Cys	Cys	Ala	Cys	2720	2725	2730
Thr	Cys	Cys	Ala	Cys	Ala	Thr	Gly	Gly	Gly	Gly	Ala	Thr	Thr	Cys	2735	2740	2745
Ala	Gly	Ala	Gly	Thr	Thr	Gly	Ala	Ala	Cys	Thr	Thr	Cys	Gly	Thr	2750	2755	2760
Thr	Cys	Thr	Cys	Thr	Gly	Cys	Ala	Ala	Gly	Ala	Ala	Cys	Ala	Gly	2765	2770	2775
Cys	Cys	Ala	Gly	Cys	Thr	Cys	Thr	Thr	Ala	Ala	Cys	Thr	Gly	Ala	2780	2785	2790
Thr	Gly	Gly	Cys	Thr	Thr	Thr	Thr	Ala	Cys	Cys	Thr	Cys	Cys	Ala	2795	2800	2805
Gly	Cys	Cys	Ala	Cys	Cys	Thr	Thr	Thr	Thr	Cys	Cys	Thr	Cys	Ala	2810	2815	2820
Thr	Thr	Thr	Thr	Thr	Ala	Ala	Ala	Ala	Thr	Thr	Thr	Cys	Cys	Thr	2825	2830	2835
Thr	Cys	Cys	Thr	Thr	Cys	Cys	Thr	Thr	Thr	Thr	Thr	Gly	Ala	Gly	2840	2845	2850
Ala	Cys	Ala	Gly	Gly	Gly	Thr	Cys	Thr	Cys	Ala	Ala	Thr	Ala	Cys	2855	2860	2865
Thr	Thr	Ala	Gly	Cys	Thr	Cys	Ala	Thr	Cys	Cys	Cys	Ala	Ala	Cys	2870	2875	2880
Thr	Thr	Gly	Ala	Cys	Cys	Cys	Cys	Ala	Cys	Thr	Cys	Thr	Thr	Cys	2885	2890	2895

Thr Cys	Thr Thr Gly Cys	Cys	Thr Thr Ala Gly	Thr	Cys Ala Cys
2900		2905		2910	
Cys Ala	Cys Ala Ala Thr	Gly	Thr Thr Thr Ala	Gly	Thr Thr Thr
2915		2920		2925	
Ala Thr	Ala Ala Gly Cys	Ala	Thr Gly Cys Gly	Thr	Cys Ala Cys
2930		2935		2940	
Thr Ala	Thr Gly Cys Cys	Cys	Gly Gly Cys Thr	Thr	Thr Ala Ala
2945		2950		2955	
Ala Thr	Ala Ala Ala Cys	Thr	Cys Ala Cys Cys	Cys	Ala Thr Ala
2960		2965		2970	
Ala Thr	Cys Cys Cys Ala	Gly	Cys Ala Cys Thr	Gly	Ala Ala Gly
2975		2980		2985	
Thr Ala	Gly Ala Cys Ala	Ala	Ala Ala Gly Gly	Gly	Ala Gly Gly
2990		2995		3000	
Ala Thr	Cys Gly Ala Thr	Gly	Gly Gly Gly Cys	Thr	Gly Ala Cys
3005		3010		3015	
Thr Gly	Gly Cys Cys Ala	Cys	Ala Ala Gly Cys	Cys	Gly Thr Gly
3020		3025		3030	
Cys Thr	Thr Cys Ala Ala	Gly	Thr Thr Cys Ala	Ala	Thr Gly Ala
3035		3040		3045	
Ala Gly	Ala Cys Cys Cys	Thr	Gly Thr Cys Thr	Cys	Ala Ala Gly
3050		3055		3060	
Gly Gly	Ala Ala Thr Ala	Ala	Gly Gly Cys Ala	Cys	Ala Gly Ala
3065		3070		3075	
Gly Gly	Ala Thr Ala Gly	Ala	Gly Cys Cys Ala	Thr	Ala Cys Gly
3080		3085		3090	
Cys Cys	Thr Gly Ala Cys	Cys	Thr Cys Cys Thr	Cys	Cys Thr Cys
3095		3100		3105	

Thr Gly Gly Cys Cys Thr Cys Thr Ala Cys Cys Cys Ala Gly Gly
 3110 3115 3120

Cys Ala Cys Ala Thr Gly Thr Gly Cys Ala Thr Ala Cys Ala Cys
 3125 3130 3135

Ala Cys Ala Cys Cys Ala Cys Ala Cys Ala Cys Ala Cys Ala Cys
 3140 3145 3150

Ala Cys Ala Cys Ala Cys Ala Cys Ala Cys Ala Cys Ala Cys Ala
 3155 3160 3165

Cys Ala Cys Ala Cys Ala Cys Ala Gly Ala Gly Ala Gly Ala Gly
 3170 3175 3180

Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala
 3185 3190 3195

Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly
 3200 3205 3210

Ala Gly Ala Gly Ala Gly Ala Gly Ala Ala Ala Cys Thr Thr Thr
 3215 3220 3225

Thr Thr Cys Cys Thr Cys Thr Thr Thr Thr Thr Thr Thr Thr Thr
 3230 3235 3240

Ala Ala Ala Ala Ala Thr Ala Thr Thr Ala Thr Thr Thr Ala Thr
 3245 3250 3255

Thr Thr Cys Ala Thr Gly Thr Ala Thr Ala Thr Gly Ala Gly Thr
 3260 3265 3270

Ala Cys Ala Cys Thr Gly Thr Thr Gly Cys Thr Gly Thr Cys Thr
 3275 3280 3285

Thr Cys Ala Gly Ala Cys Ala Cys Cys Cys Cys Ala Ala Ala Ala
 3290 3295 3300

Gly Ala Ala Gly Gly Cys Ala Thr Cys Ala Gly Ala Thr Cys Cys

3305		3310		3315
Cys Ala Thr Thr Gly Ala Cys	Ala Ala Ala Thr Gly Gly Thr Thr			
3320	3325	3330		
Gly Thr Gly Ala Gly Cys Cys	Ala Cys Cys Ala Thr Gly Thr Gly			
3335	3340	3345		
Gly Thr Thr Gly Cys Thr Gly	Gly Gly Ala Ala Thr Thr Gly Ala			
3350	3355	3360		
Ala Cys Thr Cys Ala Gly Gly	Ala Cys Cys Thr Cys Thr Gly Gly			
3365	3370	3375		
Ala Ala Ala Ala Gly Cys Ala	Gly Thr Cys Ala Gly Thr Gly Cys			
3380	3385	3390		
Thr Cys Thr Thr Ala Ala Cys	Cys Ala Thr Cys Thr Cys Thr Thr			
3395	3400	3405		
Cys Ala Gly Cys Cys Cys Cys	Ala Cys Ala Ala Ala Gly Ala Ala			
3410	3415	3420		
Ala Cys Thr Thr Thr Thr Ala	Ala Thr Gly Ala Gly Cys Ala Ala			
3425	3430	3435		
Ala Thr Ala Ala Thr Thr Gly	Cys Thr Thr Cys Cys Ala Ala Gly			
3440	3445	3450		
Thr Ala Ala Ala Thr Ala Cys	Thr Ala Cys Thr Ala Ala Thr Ala			
3455	3460	3465		
Thr Ala Thr Thr Thr Cys Thr	Ala Ala Cys Cys Ala Thr Ala Cys			
3470	3475	3480		
Thr Ala Thr Ala Cys Ala Ala	Gly Gly Ala Ala Thr Thr Ala Thr			
3485	3490	3495		
Thr Ala Ala Ala Gly Ala Ala	Cys Gly Gly Ala Thr Ala Ala Thr			
3500	3505	3510		

Ala Gly Gly Ala Gly Ala Ala Thr Ala Ala Ala Ala Ala Ala Thr
 3515 3520 3525

Thr Ala Thr Ala Ala Gly Thr Cys Ala Cys Thr Thr Thr Ala Thr
 3530 3535 3540

Ala Ala Thr Gly Cys Thr Ala Thr Cys Thr Ala Ala Thr Cys Cys
 3545 3550 3555

Ala Thr Cys Thr Ala Gly Ala Ala Cys Ala Ala Ala Ala Ala Cys
 3560 3565 3570

Ala Cys Thr Gly Thr Ala Ala Thr Ala Ala Thr Gly Cys Ala Ala
 3575 3580 3585

Ala Ala Gly Ala Gly Cys Gly Cys Ala Gly Thr Gly Cys Cys Thr
 3590 3595 3600

Ala Gly Ala Thr Thr Ala Ala Ala Thr Ala Ala Ala Thr Ala Ala
 3605 3610 3615

Ala Ala Thr Gly Cys Ala Gly Ala Cys Cys Ala Ala Thr Ala Ala
 3620 3625 3630

Gly Thr Ala Ala Ala Cys Thr Thr Thr Ala Thr Ala Gly Cys Ala
 3635 3640 3645

Gly Cys Ala Cys Ala Thr Gly Gly Ala Ala Ala Thr Gly Ala Cys
 3650 3655 3660

Gly Ala Ala Ala Thr Thr Cys Cys Thr Ala Ala Cys Ala Ala Ala
 3665 3670 3675

Ala Ala Gly Cys Thr Cys Ala Ala Gly Ala Thr Gly Gly Gly Cys
 3680 3685 3690

Ala Gly Thr Thr Thr Ala Thr Thr Thr Ala Ala Ala Gly Thr Gly
 3695 3700 3705

Ala Ala Ala Thr Ala Cys Ala Gly Gly Ala Gly Ala Ala Ala Thr
 3710 3715 3720

Ala Ala Ala Gly Cys Ala Cys Ala Gly Ala Ala Ala Gly Ala Thr
 3725 3730 3735

Ala Cys Thr Cys Ala Ala Ala Gly Gly Cys Ala Thr Ala Gly Ala
 3740 3745 3750

Ala Gly Thr Thr Ala Ala Cys Ala Thr Ala Gly Gly Gly Gly Gly
 3755 3760 3765

Gly Cys Thr Gly Gly Cys Gly Ala Gly Ala Thr Gly Gly Cys Thr
 3770 3775 3780

Cys Thr Ala Cys Ala Gly Gly Thr Ala Ala Gly Ala Gly Cys Ala
 3785 3790 3795

Cys Cys Cys Gly Ala Cys Thr Gly Cys Thr Cys Thr Thr Cys Cys
 3800 3805 3810

Ala Ala Ala Gly Gly Thr Cys Cys Thr Gly Ala Gly Thr Thr Cys
 3815 3820 3825

Ala Ala Ala Thr Cys Cys Cys Ala Gly Cys Ala Ala Cys Cys Ala
 3830 3835 3840

Cys Ala Thr Gly Gly Thr Gly Gly Cys Thr Cys Ala Cys Ala Ala
 3845 3850 3855

Cys Cys Ala Thr Cys Cys Gly Thr Ala Ala Thr Gly Ala Gly Ala
 3860 3865 3870

Thr Thr Thr Gly Ala Cys Thr Cys Cys Cys Thr Cys Thr Thr Cys
 3875 3880 3885

Thr Gly Gly Thr Gly Thr Gly Thr Cys Thr Gly Ala Ala Gly Ala
 3890 3895 3900

Cys Ala Gly Cys Thr Ala Cys Ala Gly Thr Gly Thr Ala Cys Thr
 3905 3910 3915

Thr Ala Ala Cys Ala Thr Ala Thr Ala Ala Thr Ala Ala Ala Thr
 3920 3925 3930

Ala Ala Ala Thr Ala Ala Ala Ala Cys Thr Thr Thr Ala Ala Ala
 3935 3940 3945

Ala Ala Ala Ala Ala Ala Thr Thr Ala Ala Ala Gly Ala Ala
 3950 3955 3960

Gly Thr Thr Ala Ala Cys Ala Thr Ala Gly Ala Ala Gly Cys Cys
 3965 3970 3975

Cys Ala Cys Thr Cys Ala Gly Gly Ala Cys Cys Cys Cys Ala Cys
 3980 3985 3990

Thr Cys Ala Gly Thr Cys Cys Thr Ala Gly Ala Gly Thr Ala Thr
 3995 4000 4005

Gly Ala Cys Ala Thr Thr Ala Thr Thr Ala Thr Gly Gly Ala Cys
 4010 4015 4020

Ala Thr Thr Ala Ala Ala Ala Ala Gly Ala Gly Ala Ala Ala Ala
 4025 4030 4035

Thr Thr Cys Ala Gly Cys Ala Gly Thr Ala Gly Thr Gly Thr Gly
 4040 4045 4050

Cys Ala Thr Gly Cys Ala Cys Thr Gly Cys Ala Thr Ala Thr Ala
 4055 4060 4065

Thr Ala Cys Ala Cys Ala Ala Ala Thr Cys Cys Thr Thr Gly Ala
 4070 4075 4080

Gly Thr Thr Thr Cys Ala Thr Ala Cys Cys Ala Ala Ala Thr Gly
 4085 4090 4095

Cys Cys Thr Thr Thr Ala Gly Ala Cys Cys Ala Cys Thr Thr Gly
 4100 4105 4110

Thr Gly Gly Cys Thr Cys Thr Gly Cys Ala Ala Ala Cys Cys Thr
 4115 4120 4125

Gly Thr Ala Ala Thr Cys Cys Thr Ala Gly Cys Ala Cys Thr Thr

4130		4135		4140
Gly Thr	Gly Ala Ala Ala	Ala	Gly Gly Thr Cys	Ala Gly Cys Thr
4145		4150		4155
Cys Ala	Gly Gly Ala Ala	Cys	Thr Thr Thr Gly	Gly Ala Ala
4160		4165		4170
Gly Gly	Thr Cys Ala Thr	Gly	Ala Ala Ala Cys	Thr Cys Thr Thr
4175		4180		4185
Gly Cys	Cys Cys Cys Thr	Cys	Cys Ala Gly Ala	Ala Gly Gly Gly
4190		4195		4200
Ala Gly	Ala Gly Gly Cys	Thr	Ala Ala Thr Thr	Ala Ala Cys Ala
4205		4210		4215
Thr Thr	Thr Cys Thr Cys	Ala	Gly Ala Cys Cys	Ala Cys Ala Gly
4220		4225		4230
Gly Gly	Cys Gly Gly Gly	Ala	Ala Cys Cys Gly	Ala Cys Cys Thr
4235		4240		4245
Gly Cys	Gly Gly Gly Thr	Gly	Gly Gly Gly Ala	Cys Ala Gly Ala
4250		4255		4260
Cys Thr	Gly Thr Thr Gly	Cys	Cys Cys Ala Thr	Thr Thr Cys Cys
4265		4270		4275
Ala Gly	Ala Cys Thr Ala	Gly	Gly Gly Ala Ala	Gly Thr Cys Cys
4280		4285		4290
Thr Thr	Gly Thr Cys Ala	Cys	Cys Thr Cys Ala	Thr Thr Cys Cys
4295		4300		4305
Cys Thr	Ala Ala Ala Gly	Ala	Cys Cys Ala Ala	Thr Cys Ala Ala
4310		4315		4320
Thr Thr	Thr Ala Ala Ala	Gly	Gly Gly Thr Gly	Cys Ala Cys Thr
4325		4330		4335

Gly Thr Thr Cys Cys Gly Cys Cys Ala Ala Thr Cys Ala Thr Ala
4340 4345 4350

Thr Thr Gly Thr Gly Cys Cys Thr Ala Gly Thr Thr Gly Cys Thr
4355 4360 4365

Gly Ala Thr Gly Cys Thr Cys Thr Ala Thr Thr Cys Thr Gly Cys
4370 4375 4380

Cys Cys Thr Thr Ala Gly Ala Ala Ala Cys Cys Gly Thr Ala Thr
4385 4390 4395

Ala Ala Ala Ala Ala Cys Thr Ala Gly Cys Gly Ala Ala Gly Gly
4400 4405 4410

Gly Gly Thr Ala Cys Cys Ala Gly Gly Gly Gly Thr Ala Ala Cys
4415 4420 4425

Cys Cys Cys Cys Thr Cys Thr Cys Cys Thr Thr Cys Ala Gly Gly
4430 4435 4440

Thr Cys Thr Gly Gly Gly Ala Cys Ala Ala Thr Cys Cys Cys Ala
4445 4450 4455

Cys Thr Ala Cys Ala Cys Thr Gly Gly Ala Ala Cys Ala Ala Thr
4460 4465 4470

Ala Ala Thr Thr Thr Cys Cys Thr Cys Thr Gly Gly Cys Thr Thr
4475 4480 4485

Thr Thr Thr Gly Cys Ala Thr Thr Gly Ala Thr Cys Ala Cys Ala
4490 4495 4500

Gly Cys Thr Cys Cys Ala Cys Thr Thr Cys Gly Thr Gly Gly Thr
4505 4510 4515

Ala Ala Gly Thr Thr Ala Ala Gly Ala Cys Thr Cys Cys Cys Thr
4520 4525 4530

Gly Gly Ala Gly Thr Cys Thr Thr Ala Cys Ala Thr Thr Gly Gly
4535 4540 4545

Cys Ala Ala Ala Thr Gly Cys Ala Gly Gly Cys Ala Ala Ala Ala
4550 4555 4560

Gly Ala Ala Thr Cys Cys Gly Ala Ala Ala Cys Thr Cys Ala Ala
4565 4570 4575

Gly Gly Thr Cys Ala Thr Cys Thr Ala Ala Ala Ala Cys Thr Ala
4580 4585 4590

Cys Ala Thr Ala Gly Cys Ala Ala Gly Cys Ala Thr Gly Cys Thr
4595 4600 4605

Gly Cys Thr Ala Gly Cys Cys Thr Gly Gly Gly Cys Thr Cys Cys
4610 4615 4620

Ala Thr Gly Ala Gly Ala Cys Cys Cys Thr Gly Gly Gly Gly Gly
4625 4630 4635

Ala Gly Gly Gly Gly Cys Ala Gly Ala Gly Gly Gly Ala Gly Ala
4640 4645 4650

Cys Cys Gly Thr Thr Cys Ala Gly Ala Ala Gly Ala Cys Ala Gly
4655 4660 4665

Thr Cys Ala Ala Gly Ala Thr Gly Thr Thr Gly Cys Ala Gly Cys
4670 4675 4680

Ala Gly Cys Ala Cys Ala Gly Gly Cys Ala Gly Cys Cys Thr Gly
4685 4690 4695

Gly Cys Cys Ala Cys Cys Ala Gly Thr Gly Cys Thr Gly Thr Cys
4700 4705 4710

Ala Cys Cys Ala Gly Ala Cys Ala Thr Gly Thr Thr Ala Ala Thr
4715 4720 4725

Gly Thr Thr Gly Gly Ala Ala Thr Ala Ala Ala Gly Cys Cys Thr
4730 4735 4740

Cys Ala Ala Thr Cys Ala Thr Gly Ala Cys Thr Cys Thr Cys Cys
4745 4750 4755

Cys Ala Gly Thr Thr Thr Thr Ala Thr Ala Ala Thr Thr Gly Gly
 4760 4765 4770
 Ala Ala Ala Thr Ala Ala Gly Ala Ala Ala Gly Gly Ala Ala Ala
 4775 4780 4785
 Gly Ala Cys Thr Ala Thr Ala Gly Gly Ala Ala Cys Ala Ala Cys
 4790 4795 4800
 Thr Gly Thr Gly Thr Thr Cys Ala Gly Ala Ala Cys Ala Cys Thr
 4805 4810 4815
 Ala Thr Thr Thr Ala Thr Ala Ala Thr Ala Gly Cys Ala Ala Ala
 4820 4825 4830
 Gly Ala Thr Cys Thr Cys Ala Gly Ala Gly Thr Ala Ala Cys Cys
 4835 4840 4845
 Cys Ala Ala Ala Cys Thr Thr Cys Thr Ala Gly Ala Cys Ala Thr
 4850 4855 4860
 Thr Gly Ala Thr Thr Thr Gly Gly Gly Ala Ala Gly Ala Thr Cys
 4865 4870 4875
 Thr Cys Thr Thr Gly Gly Cys Ala Gly Cys Thr Thr Ala Thr Thr
 4880 4885 4890
 Thr Thr Gly Ala Ala Ala Ala Cys Thr Thr Thr Ala Cys Ala Ala
 4895 4900 4905
 Thr Gly Thr Thr Ala Ala Ala Thr Ala Thr Gly Thr Ala Ala Ala
 4910 4915 4920
 Ala Ala Cys Ala Ala Gly Gly Ala Cys Ala Gly Thr Thr Thr Thr
 4925 4930 4935
 Gly Thr Thr Thr Thr Thr Thr Gly Thr Thr Thr Thr Gly Thr Thr
 4940 4945 4950
 Thr Thr Gly Thr Thr Thr Thr Gly Thr Thr Thr Thr Ala Gly Gly

4955		4960		4965
Gly Ala Thr Ala Thr Ala Thr	Ala Thr Thr Cys Ala Thr Ala Thr			
4970		4975		4980
Ala Thr Gly Thr Ala Thr Ala	Thr Gly Ala Ala Thr Gly Ala Ala			
4985		4990		4995
Ala Ala Cys Cys Cys Ala Ala	Ala Cys Thr Thr Ala Ala Ala Ala			
5000		5005		5010
Thr Thr Cys Cys Cys Cys Ala	Cys Thr Ala Thr Gly Cys Thr Thr			
5015		5020		5025
Thr Ala Ala Ala Gly Gly Cys	Thr Thr Thr Cys Thr Gly Ala Cys			
5030		5035		5040
Ala Ala Thr Ala Ala Cys Ala	Gly Ala Ala Ala Gly Ala Gly Ala			
5045		5050		5055
Ala Ala Thr Ala Gly Ala Gly	Ala Ala Thr Cys Cys Ala Thr Ala			
5060		5065		5070
Ala Ala Ala Ala Cys Thr Ala	Gly Thr Thr Cys Thr Gly Ala Ala			
5075		5080		5085
Ala Cys Thr Ala Thr Cys Ala	Ala Thr Ala Gly Gly Cys Thr Thr			
5090		5095		5100
Gly Ala Cys Ala Cys Thr Cys	Thr Thr Thr Ala Gly Cys Thr Gly			
5105		5110		5115
Cys Cys Ala Gly Gly Ala Gly	Ala Gly Cys Thr Gly Ala Ala Thr			
5120		5125		5130
Cys Thr Gly Ala Ala Cys Ala	Cys Ala Gly Gly Gly Ala Ala Cys			
5135		5140		5145
Cys Cys Cys Ala Cys Cys Cys	Ala Gly Cys Ala Cys Cys Cys Cys			
5150		5155		5160

Ala	Ala	Ala	Thr	Thr	Thr	Gly	Gly	Ala	Thr	Thr	Ala	Thr	Thr	Gly
5165						5170					5175			
Thr	Thr	Thr	Thr	Ala	Thr	Thr	Thr	Thr	Ala	Thr	Cys	Thr	Thr	Thr
5180						5185					5190			
Cys	Cys	Cys	Cys	Thr	Ala	Cys	Cys	Cys	Cys	Cys	Ala	Ala	Gly	Ala
5195						5200					5205			
Cys	Ala	Gly	Gly	Gly	Thr	Thr	Thr	Cys	Thr	Cys	Thr	Gly	Cys	Gly
5210						5215					5220			
Thr	Gly	Gly	Thr	Cys	Cys	Thr	Gly	Gly	Cys	Thr	Gly	Thr	Cys	Cys
5225						5230					5235			
Thr	Gly	Gly	Ala	Ala	Cys	Thr	Cys	Gly	Gly	Ala	Gly	Ala	Thr	Cys
5240						5245					5250			
Cys	Thr	Cys	Thr	Gly	Cys	Cys	Thr	Cys	Thr	Cys	Thr	Gly	Cys	Cys
5255						5260					5265			
Thr	Cys	Thr	Cys	Thr	Gly	Cys	Cys	Thr	Cys	Thr	Cys	Thr	Cys	Thr
5270						5275					5280			
Cys	Thr	Cys	Thr	Cys	Thr	Gly	Cys	Cys	Thr	Cys	Thr	Cys	Thr	Cys
5285						5290					5295			
Thr	Gly	Cys	Cys	Thr	Cys	Thr	Cys	Thr	Cys	Thr	Cys	Thr	Cys	Thr
5300						5305					5310			
Cys	Thr	Cys	Thr	Cys	Thr	Cys	Thr	Gly	Cys	Cys	Thr	Cys	Thr	Cys
5315						5320					5325			
Thr	Cys	Thr	Cys	Thr	Cys	Thr	Cys	Thr	Cys	Thr	Gly	Cys	Cys	Cys
5330						5335					5340			
Cys	Thr	Cys	Gly	Cys	Thr	Gly	Cys	Cys	Thr	Cys	Thr	Cys	Thr	Cys
5345						5350					5355			
Thr	Gly	Cys	Cys	Thr	Cys	Thr	Cys	Thr	Cys	Thr	Gly	Cys	Cys	Cys
5360						5365					5370			

Cys Thr Cys Thr Cys Thr Gly Cys Cys Cys Cys Thr Cys Thr Cys
5375 5380 5385

Thr Gly Cys Cys Cys Cys Thr Cys Thr Cys Thr Cys Thr Thr Cys
5390 5395 5400

Cys Cys Cys Thr Cys Thr Cys Thr Gly Cys Cys Thr Cys Thr Cys
5405 5410 5415

Thr Cys Thr Cys Thr Gly Cys Cys Cys Cys Thr Cys Thr Cys Thr
5420 5425 5430

Gly Cys Cys Thr Cys Thr Cys Thr Gly Cys Cys Thr Cys Thr Gly
5435 5440 5445

Cys Cys Thr Cys Cys Thr Gly Ala Gly Thr Gly Cys Thr Gly Gly
5450 5455 5460

Gly Ala Thr Thr Thr Ala Ala Ala Gly Gly Cys Ala Thr Cys Ala
5465 5470 5475

Gly Cys Cys Ala Thr Cys Ala Cys Thr Thr Cys Cys Ala Gly Cys
5480 5485 5490

Thr Thr Cys Cys Thr Thr Thr Ala Thr Cys Ala Thr Thr Thr Thr
5495 5500 5505

Ala Ala Ala Ala Ala Gly Ala Ala Thr Thr Thr Cys Cys Thr Ala
5510 5515 5520

Thr Gly Thr Gly Ala Cys Thr Ala Cys Thr Gly Thr Ala Thr Thr
5525 5530 5535

Thr Ala Ala Ala Thr Cys Ala Cys Cys Ala Cys Ala Cys Gly Gly
5540 5545 5550

Cys Cys Ala Ala Thr Ala Cys Thr Cys Cys Cys Cys Cys Cys Cys
5555 5560 5565

Ala Ala Cys Thr Cys Cys Thr Cys Cys Cys Ala Ala Ala Thr Cys
5570 5575 5580

Cys Cys Cys Thr Cys Thr Ala Cys Cys Cys Ala Cys Thr Cys Ala
 5585 5590 5595

Ala Ala Thr Thr Cys Thr Thr Ala Thr Cys Thr Thr Gly Thr Ala
 5600 5605 5610

Thr Thr Cys Thr Thr Thr Ala Thr Cys Ala Thr Thr Ala Thr Thr
 5615 5620 5625

Ala Thr Ala Cys Ala Thr Ala Thr Gly Thr Gly Thr Ala Thr Ala
 5630 5635 5640

Thr Ala Thr Gly Thr Gly Thr Gly Thr Gly Thr Gly Thr Ala Thr
 5645 5650 5655

Ala Thr Ala Thr Ala Thr Ala Thr Ala Thr Ala Cys Thr Ala Thr
 5660 5665 5670

Ala Thr Ala Cys Thr Gly Cys Thr Ala Ala Thr Gly Ala Gly Thr
 5675 5680 5685

Ala Ala Cys Ala Thr Thr Thr Ala Gly Thr Gly Thr Thr Ala Thr
 5690 5695 5700

Thr Cys Ala Thr Thr Gly Thr Thr Gly Cys Ala Thr Gly Thr Thr
 5705 5710 5715

Thr Thr Cys Ala Ala Thr Gly Thr Gly Cys Thr Thr Thr Cys Cys
 5720 5725 5730

Ala Gly Gly Ala Gly Gly Cys Thr Gly Gly Gly Gly Gly Gly Ala
 5735 5740 5745

Thr Gly Gly Cys Thr Cys Ala Gly Thr Gly Gly Gly Cys Ala Ala
 5750 5755 5760

Ala Ala Thr Thr Cys Thr Ala Gly Cys Thr Gly Cys Ala Cys Ala
 5765 5770 5775

Ala Gly Cys Cys Thr Ala Ala Gly Gly Ala Cys Cys Ala Gly Gly

5780		5785		5790
Gly Thr Thr Cys Ala Gly	Ala Thr Cys Cys Cys Cys	Ala Ala Thr		
5795	5800	5805		
Ala Thr Ala Ala Ala Gly	Gly Cys Thr Gly Gly Cys	Thr Gly Gly		
5810	5815	5820		
Ala Cys Ala Thr Gly Gly	Thr Gly Gly Cys Thr Thr	Gly Cys Cys		
5825	5830	5835		
Thr Ala Thr Gly Ala Thr	Ala Cys Thr Ala Gly Cys	Ala Thr Gly		
5840	5845	5850		
Cys Thr Thr Gly Cys Thr	Gly Gly Ala Ala Gly Cys	Ala Ala Ala		
5855	5860	5865		
Gly Ala Cys Ala Gly Gly	Gly Ala Ala Thr Cys Cys	Cys Thr Gly		
5870	5875	5880		
Gly Ala Gly Ala Cys Thr	Thr Ala Gly Ala Ala Thr	Cys Thr Cys		
5885	5890	5895		
Ala Gly Ala Ala Gly Thr	Gly Ala Thr Cys Thr Gly	Gly Gly Cys		
5900	5905	5910		
Thr Gly Gly Ala Cys Ala	Gly Ala Cys Thr Ala Gly	Cys Thr Gly		
5915	5920	5925		
Ala Ala Cys Thr Gly Gly	Cys Cys Ala Gly Cys Thr	Cys Thr Gly		
5930	5935	5940		
Gly Gly Thr Thr Cys Ala	Thr Cys Ala Ala Gly Ala	Ala Ala Cys		
5945	5950	5955		
Cys Cys Thr Ala Cys Cys	Thr Cys Cys Ala Thr Ala	Ala Cys Ala		
5960	5965	5970		
Thr Ala Ala Ala Gly Thr	Gly Thr Gly Ala Thr Gly	Gly Ala Gly		
5975	5980	5985		

Ala Ala	Ala Gly Gly Cys	Ala Cys Cys Thr	Ala Ala	Thr Gly Thr
5990		5995		6000
Cys Ala	Ala Cys Cys Thr	Cys Ala Ala Ala	Cys Cys	Cys Cys Thr
6005		6010		6015
Ala Cys	Cys Thr Gly Cys	Ala Thr Gly Thr Gly	Cys Ala	Cys Ala
6020		6025		6030
Cys Ala	Cys Ala Thr Ala	Cys Ala Thr Cys Cys	Ala Cys	Ala Cys
6035		6040		6045
Cys Ala	Cys Ala Cys Ala	Cys Ala Cys Ala Cys	Ala Cys	Ala Cys
6050		6055		6060
Ala Cys	Ala Cys Ala Cys	Ala Cys Ala Cys Ala	Cys Ala	Cys Ala
6065		6070		6075
Cys Cys	Ala Cys Ala Cys	Ala Cys Ala Cys Ala	Cys Ala	Cys Ala
6080		6085		6090
Cys Ala	Cys Ala Ala Ala	Thr Ala Ala Ala Thr	Ala Ala	Gly Thr
6095		6100		6105
Ala Ala	Ala Thr Ala Ala	Ala Thr Ala Ala Ala	Ala Thr	Ala Thr
6110		6115		6120
Thr Thr	Ala Gly Cys Thr	Cys Thr Cys Cys Ala	Gly Ala	Cys Cys
6125		6130		6135
Ala Ala	Ala Thr Cys Thr	Thr Gly Gly Thr Gly	Ala Ala	Ala Cys
6140		6145		6150
Cys Cys	Ala Thr Gly Cys	Ala Thr Thr Thr Gly	Cys Ala	Thr Thr
6155		6160		6165
Thr Gly	Thr Gly Thr Gly	Thr Gly Thr Cys Cys	Thr Ala	Cys Ala
6170		6175		6180
Ala Ala	Cys Ala Cys Thr	Gly Ala Ala Gly Gly	Thr Thr	Ala Ala
6185		6190		6195

Gly Ala	Ala Gly Cys Ala Thr	Gly Cys Thr Cys Cys	Thr Thr Ala
6200	6205	6210	
Gly Thr	Ala Ala Thr Thr Thr	Thr Ala Thr Ala Gly	Cys Ala Gly
6215	6220	6225	
Thr Thr	Thr Gly Cys Gly Thr	Thr Thr Cys Cys Ala	Gly Ala Thr
6230	6235	6240	
Thr Gly	Ala Ala Ala Ala Cys	Ala Gly Ala Thr Thr	Cys Thr Ala
6245	6250	6255	
Thr Ala	Gly Gly Cys Thr Ala	Cys Ala Cys Ala Gly	Thr Gly Cys
6260	6265	6270	
Thr Ala	Ala Ala Thr Gly Gly	Ala Thr Thr Ala Thr	Gly Cys Thr
6275	6280	6285	
Cys Ala	Gly Ala Thr Ala Cys	Ala Gly Ala Thr Thr	Gly Ala Ala
6290	6295	6300	
Ala Ala	Gly Gly Ala Thr Ala	Cys Ala Gly Ala Thr	Thr Thr Gly Ala
6305	6310	6315	
Ala Ala	Ala Gly Gly Gly Thr	Cys Gly Gly Gly Gly	Thr Cys Thr
6320	6325	6330	
Gly Gly	Gly Cys Cys Ala Gly	Gly Ala Thr Gly Ala	Cys Gly Gly
6335	6340	6345	
Gly Cys	Cys Ala Ala Cys Thr	Ala Thr Cys Thr Thr	Thr Gly Cys
6350	6355	6360	
Cys Cys	Gly Gly Gly Cys Thr	Thr Gly Thr Cys Cys	Thr Thr Cys
6365	6370	6375	
Ala Gly	Gly Gly Ala Ala Gly	Gly Gly Thr Thr Ala	Cys Ala Gly
6380	6385	6390	
Gly Ala	Thr Thr Cys Ala Cys	Cys Ala Cys Thr Gly	Gly Gly Gly
6395	6400	6405	

Thr Gly Thr Gly Gly Cys Cys Thr Ala Thr Cys Thr Gly Cys Thr
6410 6415 6420

Gly Thr Thr Ala Gly Gly Ala Cys Cys Thr Gly Ala Ala Thr Thr
6425 6430 6435

Gly Cys Cys Thr Gly Gly Ala Gly Thr Gly Thr Thr Thr Cys Thr
6440 6445 6450

Ala Gly Thr Thr Cys Cys Cys Ala Cys Thr Ala Gly Thr Thr Gly
6455 6460 6465

Thr Thr Gly Ala Ala Cys Thr Thr Thr Ala Cys Cys Thr Thr Gly
6470 6475 6480

Ala Ala Cys Cys Thr Cys Thr Gly Cys Thr Cys Cys Cys Ala Gly
6485 6490 6495

<210> 9
<211> 361
<212> PRT
<213> Homo sapiens

<400> 9

Ala Ala Thr Thr Thr Thr Cys Thr Ala Cys Ala Gly Gly Cys Thr Ala
1 5 10 15

Thr Ala Gly Ala Gly Thr Gly Cys Ala Gly Thr Thr Thr Gly Gly Cys
20 25 30

Thr Ala Ala Ala Gly Cys Ala Ala Ala Ala Cys Cys Thr Ala Gly Gly
35 40 45

Thr Ala Cys Ala Gly Thr Cys Ala Gly Gly Gly Ala Cys Thr Ala Cys
50 55 60

Ala Cys Ala Ala Thr Thr Cys Cys Ala Gly Thr Thr Cys Gly Cys Thr
65 70 75 80

Gly Thr Gly Gly Gly Thr Thr Gly Gly Gly Ala Ala Gly Gly Gly Ala
85 90 95

Thr Gly Gly Gly Thr Gly Gly Gly Cys Cys Ala Gly Thr Gly Cys Thr
 100 105 110
 Gly Gly Cys Ala Ala Gly Cys Cys Thr Thr Gly Ala Thr Cys Thr Thr
 115 120 125
 Thr Gly Cys Cys Cys Gly Gly Gly Cys Thr Thr Gly Thr Cys Cys Thr
 130 135 140
 Thr Cys Thr Gly Gly Gly Gly Ala Gly Ala Ala Thr Thr Ala Cys Cys
 145 150 155 160
 Thr Gly Cys Thr Thr Cys Thr Gly Cys Thr Gly Gly Ala Cys Thr Gly
 165 170 175
 Ala Gly Gly Gly Thr Gly Cys Cys Cys Thr Cys Ala Thr Cys Thr Cys
 180 185 190
 Thr Gly Gly Cys Thr Ala Gly Ala Gly Cys Cys Cys Gly Thr Gly Cys
 195 200 205
 Thr Gly Cys Cys Ala Thr Gly Gly Ala Ala Gly Ala Cys Thr Cys Thr
 210 215 220
 Thr Thr Cys Cys Gly Gly Thr Gly Cys Cys Cys Ala Cys Thr Ala Ala
 225 230 235 240
 Ala Thr Cys Cys Thr Thr Gly Ala Thr Gly Thr Thr Cys Ala Cys Cys
 245 250 255
 Thr Thr Gly Thr Cys Cys Cys Cys Thr Gly Cys Cys Cys Cys Cys Ala
 260 265 270
 Gly Ala Gly Ala Ala Gly Thr Cys Ala Thr Cys Cys Gly Gly Ala Cys
 275 280 285
 Cys Cys Thr Cys Cys Cys Ala Thr Cys Cys Cys Thr Gly Gly Ala Gly
 290 295 300
 Thr Cys Thr Cys Thr Gly Cys Ala Gly Ala Gly Gly Thr Thr Ala Thr

305

310

315

320

Thr Thr Gly Ala Cys Cys Ala Gly Cys Ala Gly Cys Thr Cys Thr Cys
 325 330 335

Cys Cys Cys Gly Gly Gly Cys Cys Thr Cys Cys Gly Thr Cys Cys Ala
 340 345 350

Cys Gly Thr Cys Cys Thr Cys Ala Gly
 355 360

<210> 10
 <211> 279
 <212> PRT
 <213> Homo sapiens

<400> 10

Gly Thr Ala Ala Thr Gly Gly Cys Thr Gly Gly Cys Cys Cys Ala Cys
 1 5 10 15

Gly Gly Gly Gly Gly Cys Gly Gly Gly Cys Ala Gly Gly Thr Gly Gly
 20 25 30

Gly Gly Gly Cys Gly Gly Cys Cys Ala Cys Cys Ala Gly Gly Thr Gly
 35 40 45

Ala Gly Ala Gly Ala Ala Ala Cys Ala Gly Cys Thr Cys Ala Thr Gly
 50 55 60

Ala Gly Ala Gly Cys Gly Ala Cys Cys Thr Cys Thr Gly Cys Cys Thr
 65 70 75 80

Cys Thr Gly Cys Cys Thr Gly Gly Cys Thr Gly Ala Ala Cys Ala Ala
 85 90 95

Ala Thr Gly Cys Cys Thr Cys Thr Gly Cys Cys Gly Cys Ala Cys Thr
 100 105 110

Cys Ala Cys Ala Ala Thr Ala Ala Thr Thr Gly Ala Gly Thr Gly Gly
 115 120 125

Thr Gly Ala Gly Cys Ala Cys Ala Gly Cys Thr Thr Gly Gly Ala Ala

130 135 140
 Ala Thr Cys Thr Cys Thr Gly Thr Gly Gly Thr Thr Gly Thr Thr Thr
 145 150 155 160
 Gly Gly Ala Gly Gly Thr Cys Thr Thr Gly Thr Thr Ala Thr Cys Ala
 165 170 175
 Thr Gly Gly Ala Ala Thr Thr Thr Gly Ala Ala Cys Ala Gly Thr Ala
 180 185 190
 Gly Cys Thr Thr Gly Thr Gly Thr Gly Thr Gly Cys Thr Gly Cys Ala
 195 200 205
 Gly Cys Thr Thr Thr Thr Thr Ala Cys Ala Ala Cys Thr Ala Ala Ala
 210 215 220
 Gly Thr Thr Ala Ala Thr Thr Gly Gly Ala Gly Gly Cys Cys Ala Gly
 225 230 235 240
 Thr Thr Gly Cys Thr Cys Thr Gly Gly Gly Ala Ala Gly Cys Gly Gly
 245 250 255
 Ala Thr Gly Gly Gly Gly Thr Gly Gly Gly Ala Gly Gly Ala Cys Ala
 260 265 270
 Thr Gly Gly Cys Cys Ala Gly
 275

<210> 11
 <211> 784
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)..(784)
 <223> SHIP cDNA

<400> 11
 ggcaatttct gagaggcaac aggcggcagg tctcagccta gagagggccc tgaactactt 60
 tgctggagtg tccgtcctgg gactggctgc tgaccagtc caggagaccc atgcctgcca 120

tgggtccctgg gtggaacat ggcaacatca cccgctccaa ggcagaggag ctactttcca 180
 gagccggcaa ggacgggagc ttccttgtgc gtgccagcga gtccatcccc cgggcctacg 240
 cactctgcgt gctgttecgg aattgtgttt acacttacag gattctgccc aatgaggacg 300
 ataaattcac tggttcaggca tccgaaggtg tccccatgag gttcttcacg aagctggacc 360
 agctcatcga cttttacaag aaggaaaaca tggggctggt gaccacactg cagtacccccg 420
 tgcccctgga ggaggaggat gctattgatg aggctgagga ggacactgta gaaagtgtca 480
 tgtcaccacc tgagctgcct ccagaaaaca ttcctatgtc tgccgggccc agcgaggcca 540
 aggaccttcc tcttgcaaca gagaaccccc gagccccctga ggtcaccggg ctgagtctct 600
 ccgagacact gtttcagcgt ctacagagca tggataccag tgggcttccc gaggagcacc 660
 tgaaagccat ccaggattat ctgagcactc agctcctcct ggattccgac tttttgaaga 720
 cgggctccag caacctcct cacctgaaga agctgatgtc actgctctgc aaggagctcc 780
 atgg 784

<210> 12
 <211> 225
 <212> PRT
 <213> Mus musculus

<220>
 <221> MISC_FEATURE
 <222> (1)..(225)
 <223> SHIP amino acid sequence

<400> 12

Met Pro Ala Met Val Pro Gly Trp Asn His Gly Asn Ile Thr Arg Ser
 1 5 10 15

Lys Ala Glu Glu Leu Leu Ser Arg Ala Gly Lys Asp Gly Ser Phe Leu
 20 25 30

Val Arg Ala Ser Glu Ser Ile Pro Arg Ala Tyr Ala Leu Cys Val Leu
 35 40 45

Phe Arg Asn Cys Val Tyr Thr Tyr Arg Ile Leu Pro Asn Glu Asp Asp
 50 55 60

Lys Phe Thr Val Gln Ala Ser Glu Gly Val Pro Met Arg Phe Phe Thr

65		70		75		80									
Lys	Leu	Asp	Gln	Leu	Ile	Asp	Phe	Tyr	Lys	Lys	Glu	Asn	Met	Gly	Leu
			85						90					95	
Val	Thr	His	Leu	Gln	Tyr	Pro	Val	Pro	Leu	Glu	Glu	Glu	Asp	Ala	Ile
			100					105					110		
Asp	Glu	Ala	Glu	Glu	Asp	Thr	Val	Glu	Ser	Val	Met	Ser	Pro	Pro	Glu
		115					120					125			
Leu	Pro	Pro	Arg	Asn	Ile	Pro	Met	Ser	Ala	Gly	Pro	Ser	Glu	Ala	Lys
	130					135					140				
Asp	Leu	Pro	Leu	Ala	Thr	Glu	Asn	Pro	Arg	Ala	Pro	Glu	Val	Thr	Arg
145					150					155					160
Leu	Ser	Leu	Ser	Glu	Thr	Leu	Phe	Gln	Arg	Leu	Gln	Ser	Met	Asp	Thr
			165					170						175	
Ser	Gly	Leu	Pro	Glu	Glu	His	Leu	Lys	Ala	Ile	Gln	Asp	Tyr	Leu	Ser
		180						185					190		
Thr	Gln	Leu	Leu	Leu	Asp	Ser	Asp	Phe	Leu	Lys	Thr	Gly	Ser	Ser	Asn
	195						200					205			
Leu	Pro	His	Leu	Lys	Lys	Leu	Met	Ser	Leu	Leu	Cys	Lys	Glu	Leu	His
	210					215					220				

Gly
225

<210> 13
 <211> 2946
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)..(2946)
 <223> s-SHIP cDNA (partial)

<400> 13

gttcccacta gttgttgaac tttaccttga acctctgctc ccaggggaagt catcaggact	60
ctgccatccc tggagtctct gcagagggtt tttgaccaac agctctcccc aggccttcgc	120
ccacgacctc aggtgcccgg agaggccagt cccatcacca tggttgccaa actcagccaa	180
ttgacaagtc tgctgtcttc cattgaagat aagggtcaagt ccttgctgca cgagggctca	240
gaatctacca acaggcggtc ccttatccct ccggtcacct ttgaggtgaa gtcagagtcc	300
ctgggcattc ctgagaaaat gcatctcaaa gtggacgttg agtctgggaa actgatcggt	360
aagaagtcca aggatggttc tgaggacaag ttctacagcc aaaaaaaaaat cctgcagctc	420
attaagtccc agaagtttct aaacaagttg gtgattttgg tggagacgga gaaggagaaa	480
atcctgagga aggaatatgt ttttgctgac tctaagaaaa gagaaggctt ctgtcaactc	540
ctgcagcaga tgaagaacaa gcattcggag cagccagagc ctgacatgat caccatcttc	600
attggcactt ggaacatggg taatgcaccc cctcccaaga agatcacgtc ctggtttctc	660
tccaaggggc agggaaagac acgggacgac tctgctgact acatccccca tgacatctat	720
gtgattggca cccaggagga tccccttggg gagaaggagt ggctggagct actcaggcac	780
tccctgcaag aagtcaccag catgacattt aaaacagttg ccatccacac cctctggaac	840
attcgcatag tggtgcttgc caagccagag catgagaatc ggatcagcca tatctgact	900
gacaacgtga agacaggcat cgccaacacc ctgggaaaca agggagcagt gggagtgtcc	960
ttcatgttca atggaacctc cttgggggtc gtcaacagcc acttgacttc tggaagcgaa	1020
aaaaagctca ggagaaatca aaactatatg aacatcctgc ggttcctggc cctgggagac	1080
aagaagctaa gcccatttaa catcacccac cgcttcaccc acctcttctg gcttggggat	1140
ctcaactacc gcgtggagct gcccaacttg gaggcagagg ccatcatcca gaagatcaag	1200
caacagcagt attcagacct tctggcccac gaccaactgc tcctggagag gaaggaccag	1260
aaggctcttc tgcactttga ggaggaagag atcaccttcg ccccccacta tcgatttgaa	1320
agactgaccc gggacaagta tgcatacacg aagcagaaag caacagggat gaagtacaac	1380
ttgccgtcct ggtgcgaccg agtcctctgg aagtcttacc cgctgggtgca tgtgggtctgt	1440
cagtcctatg gcagtaccag tgacatcatg acgagtgacc acagccctgt ctttgccacg	1500
tttgaagcgg gagtacatc tcaattcgtc tccaagaatg gtcttggcac tgtagatagc	1560
caagggcaga tcgagtttct tgcatgctac gccacactga agaccaagtc ccagactaag	1620
ttctacttgg agttccactc aagctgctta gagagttttg tcaagagtca ggaaggagag	1680

```

aatgaagagg gaagtgaagg agagctggtg gtacggtttg gagagactct tccaagcta 1740
aagcccatta tctctgacct cgagtactta ctggaccagc atatcctgat cagcattaaa 1800
tcctctgaca gtgacgagtc ctatggtgaa ggctgcattg cccttcgctt ggagaccaca 1860
gaggctcagc atcctatcta cagcctctc acccaccatg gggagatgac tggccacttc 1920
aggggagaga ttaagctgca gacctcccag ggcaagatga gggagaagct ctatgacttt 1980
gtgaagacag agcgggatga atccagtga atgaaatgct tgaagaacct caccagccat 2040
gaccctatga ggcaatggga gccttctggc agggtccttg catgtggtgt ctccagcctc 2100
aatgagatga tcaatccaaa ctacattggt atggggcctt ttggacagcc cctgcatggg 2160
aaatcaacct tgtccccaga tcagcaactc acagcttgga gttatgacca gctacccaaa 2220
gactcctccc tggggcctgg gaggggggag ggtcctccaa cccctccctc ccaaccacct 2280
ctgtcgccaa agaagttttc atcttccaca gccaacccag gtccctgccc cagggtgcaa 2340
gaggcaagac ctggggatct gggaaagggt gaagctctgc tccaggagga cctgctgctg 2400
acgaagcccg agatgtttga gaacccactg tatggatccg tgagttcctt ccctaagctg 2460
gtgccagga aagagcagga gtctcccaag atgctgcgga aggagccccc gccctgtcca 2520
gaccaggaa tctcatcacc cagcatcgtg ctccccaaag cccaagaggt ggagagtgtc 2580
aaggggacaa gcaaacaggc ccctgtgcct gtccttggcc ccacaccccg gatccgctcc 2640
tttacctgtt cttcttctgc tgagggcaga atgaccagtg gggacaagag ccaaggaag 2700
cccaaggcct cagccagttc ccaagcccca gtgccagtca agaggcctgt caagccttcc 2760
aggtcagaaa tgagccagca gacaacacct atcccagctc cacggccacc cctgccagtc 2820
aagagtcttg ctgtcttgca gctgcaacat tccaaaggca gagactaccg tgacaacaca 2880
gaactccccc accatggcaa gcaccgcaa gaggaggggc tgcttggcag gactgccatg 2940
cagtga 2946

```

```

<210> 14
<211> 928
<212> PRT
<213> Mus musculus

```

```

<220>
<221> MISC_FEATURE
<222> (1)..(928)

```

<223> s-SHIP amino acid sequence (partial)

<400> 14

Met Val Ala Lys Leu Ser Gln Leu Thr Ser Leu Leu Ser Ser Ile Glu
1 5 10 15

Asp Lys Val Lys Ser Leu Leu His Glu Gly Ser Glu Ser Thr Asn Arg
20 25 30

Arg Ser Leu Ile Pro Pro Val Thr Phe Glu Val Lys Ser Glu Ser Leu
35 40 45

Gly Ile Pro Gln Lys Met His Leu Lys Val Asp Val Glu Ser Gly Lys
50 55 60

Leu Ile Val Lys Lys Ser Lys Asp Gly Ser Glu Asp Lys Phe Tyr Ser
65 70 75 80

His Lys Lys Ile Leu Gln Leu Ile Lys Ser Gln Lys Phe Leu Asn Lys
85 90 95

Leu Val Ile Leu Val Glu Thr Glu Lys Glu Lys Ile Leu Arg Lys Glu
100 105 110

Tyr Val Phe Ala Asp Ser Lys Lys Arg Glu Gly Phe Cys Gln Leu Leu
115 120 125

Gln Gln Met Lys Asn Lys His Ser Glu Gln Pro Glu Pro Asp Met Ile
130 135 140

Thr Ile Phe Ile Gly Thr Trp Asn Met Gly Asn Ala Pro Pro Pro Lys
145 150 155 160

Lys Ile Thr Ser Trp Phe Leu Ser Lys Gly Gln Gly Lys Thr Arg Asp
165 170 175

Asp Ser Ala Asp Tyr Ile Pro His Asp Ile Tyr Val Ile Gly Thr Gln
180 185 190

Glu Asp Pro Leu Gly Glu Lys Glu Trp Leu Glu Leu Leu Arg His Ser
195 200 205

Leu Gln Glu Val Thr Ser Met Thr Phe Lys Thr Val Ala Ile His Thr
 210 215 220

Leu Trp Asn Ile Arg Ile Val Val Leu Ala Lys Pro Glu His Glu Asn
 225 230 235 240

Arg Ile Ser His Ile Cys Thr Asp Asn Val Lys Thr Gly Ile Ala Asn
 245 250 255

Thr Leu Gly Asn Lys Gly Ala Val Gly Val Ser Phe Met Phe Asn Gly
 260 265 270

Thr Ser Leu Gly Phe Val Asn Ser His Leu Thr Ser Gly Ser Glu Lys
 275 280 285

Lys Leu Arg Arg Asn Gln Asn Tyr Met Asn Ile Leu Arg Phe Leu Ala
 290 295 300

Leu Gly Asp Lys Lys Leu Ser Pro Phe Asn Ile Thr His Arg Phe Thr
 305 310 315 320

His Leu Phe Trp Leu Gly Asp Leu Asn Tyr Arg Val Glu Leu Pro Thr
 325 330 335

Trp Glu Ala Glu Ala Ile Ile Gln Lys Ile Lys Gln Gln Gln Tyr Ser
 340 345 350

Asp Leu Leu Ala His Asp Gln Leu Leu Leu Glu Arg Lys Asp Gln Lys
 355 360 365

Val Phe Leu His Phe Glu Glu Glu Glu Ile Thr Phe Ala Pro Thr Tyr
 370 375 380

Arg Phe Glu Arg Leu Thr Arg Asp Lys Tyr Ala Tyr Thr Lys Gln Lys
 385 390 395 400

Ala Thr Gly Met Lys Tyr Asn Leu Pro Ser Trp Cys Asp Arg Val Leu
 405 410 415

Trp Lys Ser Tyr Pro Leu Val His Val Val Cys Gln Ser Tyr Gly Ser
 420 425 430

Thr Ser Asp Ile Met Thr Ser Asp His Ser Pro Val Phe Ala Thr Phe
435 440 445

Glu Ala Gly Val Thr Ser Gln Phe Val Ser Lys Asn Gly Pro Gly Thr
450 455 460

Val Asp Ser Gln Gly Gln Ile Glu Phe Leu Ala Cys Tyr Ala Thr Leu
465 470 475 480

Lys Thr Lys Ser Gln Thr Lys Phe Tyr Leu Glu Phe His Ser Ser Cys
485 490 495

Leu Glu Ser Phe Val Lys Ser Gln Glu Gly Glu Asn Glu Glu Gly Ser
500 505 510

Glu Gly Glu Leu Val Val Arg Phe Gly Glu Thr Leu Pro Lys Leu Lys
515 520 525

Pro Ile Ile Ser Asp Pro Glu Tyr Leu Leu Asp Gln His Ile Leu Ile
530 535 540

Ser Ile Lys Ser Ser Asp Ser Asp Glu Ser Tyr Gly Glu Gly Cys Ile
545 550 555 560

Ala Leu Arg Leu Glu Thr Thr Glu Ala Gln His Pro Ile Tyr Thr Pro
565 570 575

Leu Thr His His Gly Glu Met Thr Gly His Phe Arg Gly Glu Ile Lys
580 585 590

Leu Gln Thr Ser Gln Gly Lys Met Arg Glu Lys Leu Tyr Asp Phe Val
595 600 605

Lys Thr Glu Arg Asp Glu Ser Ser Gly Met Lys Cys Leu Lys Asn Leu
610 615 620

Thr Ser His Asp Pro Met Arg Gln Trp Glu Pro Ser Gly Arg Val Pro
625 630 635 640

Ala Cys Gly Val Ser Ser Leu Asn Glu Met Ile Asn Pro Asn Tyr Ile

645

650

655

Gly Met Gly Pro Phe Gly Gln Pro Leu His Gly Lys Ser Thr Leu Ser
 660 665 670

Pro Asp Gln Gln Leu Thr Ala Trp Ser Tyr Asp Gln Leu Pro Lys Asp
 675 680 685

Ser Ser Leu Gly Pro Gly Arg Gly Glu Gly Pro Pro Thr Pro Pro Ser
 690 695 700

Gln Pro Pro Leu Ser Pro Lys Lys Phe Ser Ser Ser Thr Ala Asn Arg
 705 710 715 720

Gly Pro Cys Pro Arg Val Gln Glu Ala Arg Pro Gly Asp Leu Gly Lys
 725 730 735

Val Glu Ala Leu Leu Gln Glu Asp Leu Leu Leu Thr Lys Pro Glu Met
 740 745 750

Phe Glu Asn Pro Leu Tyr Gly Ser Val Ser Ser Phe Pro Lys Leu Val
 755 760 765

Pro Arg Lys Glu Gln Glu Ser Pro Lys Met Leu Arg Lys Glu Pro Pro
 770 775 780

Pro Cys Pro Asp Pro Gly Ile Ser Ser Pro Ser Ile Val Leu Pro Lys
 785 790 795 800

Ala Gln Glu Val Glu Ser Val Lys Gly Thr Ser Lys Gln Ala Pro Val
 805 810 815

Pro Val Leu Gly Pro Thr Pro Arg Ile Arg Ser Phe Thr Cys Ser Ser
 820 825 830

Ser Ala Glu Gly Arg Met Thr Ser Gly Asp Lys Ser Gln Gly Lys Pro
 835 840 845

Lys Ala Ser Ala Ser Ser Gln Ala Pro Val Pro Val Lys Arg Pro Val
 850 855 860

Lys Pro Ser Arg Ser Glu Met Ser Gln Gln Thr Thr Pro Ile Pro Ala
865 870 875 880

Pro Arg Pro Pro Leu Pro Val Lys Ser Pro Ala Val Leu Gln Leu Gln
885 890 895

His Ser Lys Gly Arg Asp Tyr Arg Asp Asn Thr Glu Leu Pro His His
900 905 910

Gly Lys His Arg Gln Glu Glu Gly Leu Leu Gly Arg Thr Ala Met Gln
915 920 925

<210> 15
<211> 178
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)..(178)
<223> first exon of s-SHIP and adjacent intronic sequence

<400> 15
attgcctgga gtgtttctag ttccactag ttgttgaact ttaccttgaa cctctgctcc 60
cagggaagtc atcaggactc tgccatccct ggagtctctg cagaggttgt ttgaccaaca 120
gctctcccca ggccttcgcc caccacctca ggtaaggggt ttggatttgg aaagatgc 178

<210> 16
<211> 188
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(188)
<223> first exon of SIP-110 and flanking intronic sequences

<400> 16
catggaagac tctttccggt gccactaat ccttgatgtt caccttgtcc cctgccccca 60
gagaagtcac ccggaccctc ccatccctgg agtctctgca gaggttattt gaccagcagc 120
tctccccggg cctccgtcca cgtcctcagg taaagggctt tggggttgaa aaggtgagat 180
taataccc 188

<210> 17
 <211> 130
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(130)
 <223> first exon of SIP-110

<400> 17
 cgcccactaa tccttgatgt tcaccttgct ccctgcccc agagaagtca tccggaccct 60
 cccatccctg gagtctctgc agaggttatt tgaccagcag ctctccccgg gcctccgtcc 120
 acgtcctcag 130

<210> 18
 <211> 132
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)..(132)
 <223> first exon of s-SHIP

<400> 18
 gttcccacta gttgttgaac ttaccttga acctctgctc ccaggggaagt catcaggact 60
 ctgccatccc tggagtctct gcagagggtg ttgaccaac agctctcccc aggccttcgc 120
 ccacgacctc ag 132